RESEARCHES OF THE DEPARTMENT OF
TERRESTRIAL MAGNETISM

VOLUME X-A

Magnetic Results from Huancayo Observatory, Peru, 1922-1935

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J. A. FLEMING, Director
(Retired June 30, 1946)

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PREFACE

Early investigators of the complex problems of terrestrial magnetism were seriously handicapped by lack of magnetic data of world-wide scope. In their attempts to account for the magnetic field of the Earth as a whole, as well as its variations, they had to rely upon observations made over a very small area of the Earth's surface, confined mostly to European countries. During the latter part of the nineteenth century, the situation was improved by the establishment of a number of magnetic observatories in various parts of the world. Even so, these stations were too widely separated to provide sufficient data for a satisfactory analysis of the Earth's magnetic field, and, moreover, their geographical distribution was extremely uneven.

When the Department of Terrestrial Magnetism was established in 1904, Dr. L. A. Bauer, its first Director, realized that any complete analysis of the Earth's magnetic field must be based on a considerable body of well-distributed observational data. He accordingly planned a general world magnetic survey, covering both land and ocean areas so far as was practicable. He was also aware that improvement in the distribution of magnetic observatories was highly desirable if maximum value was to be derived from the records. In 1915 there were more than 40 magnetic observatories, only seven of which were in the Southern Hemisphere; nearly all of the others were in Europe. At that time the world magnetic survey was nearing completion, and the Department of Terrestrial Magnetism was free to give consideration to the establishment of magnetic observatories in the Southern Hemisphere. The general region proposed for one of these was the western portion of Peru or the west central part of Bolivia. In this connection, J. A. Fleming, chief of the Observatory Division of the Department, proceeded to Peru in February, 1917, to examine various localities which seemed likely to fulfill the requirements of a site for a magnetic observatory. Much time was consumed in the search because of local magnetic disturbance and the mountainous character of the country, but ultimately a suitable site was selected about ten miles west of Huancayo and 125 miles east of Lima in latitude 12° 03′ south and longitude 75° 21′ west.

The World War, together with problems of transportation of materials, unfavorable weather conditions, and difficulties encountered in acquiring the necessary land from native owners, delayed until September, 1919, the beginning of building operations. It was not until March, 1922, that the necessary buildings were completed and the magnetic recorders could be put into operation.

During the difficult task of selecting a site for the observatory, considerable help was received from local residents. In the search for a site in southern Peru, T. E. Payne and W. T. T. Milham, of the English Mission at Calca and Cuzco, were very helpful, and assistance was also rendered by F. E. Hinckley of the Harvard College Observatory and by F. A. Curry, chief engineer of the southern railway of Peru. During the years of its operation, the observatory has been fortunate in enjoying the good-will and co-operation of the Peruvian Government, which has evinced its interest and support in various ways, particularly in obtaining free entry of equipment and supplies. Officials of the United States Embassy and Consulate-General in Lima have also been of very great assistance in many ways. Acknowledgment should also be made of the many helpful services rendered by officials of the Cerro de Pasco Copper Corporation at Oroya. We take this opportunity to express grateful appreciation of important assistance which has been given on many occasions by local residents and officials.

The present volume, part A of volume X of Publication 175, "Researches of the Department of Terrestrial Magnetism," contains magnetic data obtained at the Huancayo Magnetic Observatory in the years 1922 through 1935, the hourly values being presented in monthly tabulations. Separate tables are given for horizontal intensity, vertical intensity, and declination. From these basic data, tabulations are given for noncyclic change. Part X-B, which will continue the presentation of magnetic results from the Huancayo Magnetic Observatory through the years 1936 to 1944, is in preparation. A further volume is contemplated which will present the magnetic results obtained at Huancayo from 1945 through 1947. The Huancayo Magnetic Observatory was transferred to the Peruvian Government on July 1, 1947, and its operation thereafter controlled by a Directive Board, of which Dr. J. A. Broggi, Director of the Geological Institute of Peru, is Chairman.

Table 1 of part X-A contains the names of the observers-in-charge and members of the staff who participated in the collection of the magnetic data during 1922 to 1935; the following pages bear ample testimony to the efficient manner in which they performed this arduous and exacting work. At Washington, where the work of interpretation and discussion was done, many other members of the staff took part. H. M. W. Edmonds was first entrusted with this work, but on his retirement in 1930, its supervision was undertaken by H. F. Johnston, and he has had a major share in the preparation of the material. Among those assisting Edmonds and Johnston were A. G. McNish, S. E. Forbush, W. E. Scott, and Miss E. Balsam. Miss Balsam has been responsible for the preparation of the numerous tabulations of data. All of this work was under the general direction of Dr. J. A. Fleming, who was Director of the Department from 1935 to 1946.

W. C. Parkinson has assisted in the final arrangement of the material for publication, and Miss M. H. Walburn has prepared the final copy of the manuscript and the layout of the volume for printing by the offset method.

M. A. Tuve, Director
Department of Terrestrial Magnetism

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MAGNETIC RESULTS FROM HUANCAYO OBSERVATORY, PERU, 1922-1935

INTRODUCTION

The Huancayo Magnetic Observatory is situated in latitude 12° 02′.7 south and longitude 75° 20′.4 west, at an elevation of about 11,000 feet (3350 meters) above sea level. A brief history of the search for a suitable site is given in the following paragraphs, as well as a description of the site finally chosen, the observatory buildings and instruments, and the methods of observation. A discussion of treatment of data follows the descriptive material.

THE OBSERVATORY SITE

In making a general magnetic survey of the Earth, the Department of Terrestrial Magnetism of the Carnegie Institution of Washington endeavored, by a carefully planned program of observations on land and sea, to obtain magnetic results in regions where it had not been possible for local governments or scientific organizations to undertake such work. This same consideration was dominant in selecting the locations for its magnetic observatories. Because of the scarcity of observatories in the Southern Hemisphere, the Director of the Department of Terrestrial Magnetism in instructions dated January 15, 1917, indicated the general location for a proposed South American observatory to be in either the Department of Lima, Peru, the Department of Arequipa, Peru, or the west central part of Bolivia, possibly between La Paz and Lake Titicaca. In view of the hoped-for establishment of a magnetic observatory in Panama by the United States Coast and Geodetic Survey, it was thought that a location halfway between Panama and the existing observatory of the Argentine Republic at Cordoba would best fulfill the requirements of distribution of magnetic observatories in the Southern Hemisphere.

Requirements and Selection of Site

The requirements to be met in the selection of a site were as follows:

For terrestrial magnetic studies--(1) freedom from present sources of artificial disturbance; (2) reasonable certainty that sources of artificial disturbance would not be introduced for a long period of time; (3) uniform distribution of magnetism; (4) a reasonably dry climate to eliminate objectionable humidity conditions in the magnetic-variation building; (5) an altitude not exceeding 10,000 feet (3000 meters).

For atmospheric electricity--(1) a location well removed from towns with large industrial activity; (2) a practically flat surrounding region for a radius of half a mile (800 meters) with a particularly flat area within the boundary of the site for the purpose of standardizing instruments; (3) absence of large trees, shrubs, which would break the flatness of the terrain; (4) a distance from the coast of at least 35 miles (56 kilometers) in order that the observations would be representative of land conditions.

Earth currents--(1) conditions of terrain such that it would be possible to lay cables for distances of several miles in directions at right angles to each other, preferably in the magnetic meridian and the prime vertical.

Solar-activity observations--(1) a dry climate with little rainfall; (2) a location at some distance from the coast.

Observatory operation and administration--(1) Accessibility to facilities providing mail, food supplies, and structural materials; (2) adequate telegraphic or telephone communication; (3) a supply of good water for photographic work and for the use of the observatory staff; (4) conditions contributing, so far as possible, to the comfort and convenience of the staff.

After discussion with governmental and private engineers, with the Board of Managers and officers of the Geographic Society of Lima, and with other interested parties in Lima, a list of sites that promised to satisfy the requirements was made up, and the examination of each site was undertaken systematically. Before the arrival of J. A. Fleming, then chief of the observatory division of the Department, at Lima in early February, 1917, Messrs. Wise and Sterling, observers of the Department, had examined a site at Yangas, Peru, about 37 miles (60 kilometers) northeast of Lima. This site could be reached by automobile, but the available area was small and enclosed on three sides by steep mountains, making it unsuitable for earth-current work. It was within 30 miles (48 kilometers) of the coast and was, therefore, considered unsuited for atmospheric-electric work. No test of the sand at this site was made, but it was considered quite certain that the sand was magnetic in view of conditions found elsewhere near the coast. Magnetic test observations indicated some small local disturbance. This site was judged unsatisfactory and was not further considered.

From March 3 to 5, 1917, the region 28 miles (45 kilometers) to the south of Ica, Peru, at Ocucaje, and the region between Pisco and Ica, were examined. It was found that all conditions could have been satisfied at Ocucaje except that the region is covered with shifting magnetic sands. This site was, therefore, also regarded as unsatisfactory.

From March 13 to 17, 1917, an examination was made by Messrs. Fleming and Rosemberg of the Vitor, Sihuas, and Majes pampas on a trip of 40 miles (65 kilometers) to the west from the railway station at Vitor, Peru. These pampas, at an elevation of about 6000 feet (1800 meters) would have been ideal for the observatory site except for the difficulty in obtaining water which was available only in the deep and narrow river gorges 1500 feet (450 meters) below. In addition, magnetic sand was found to cover the pampas. These sites were also eliminated from further consideration.

Examinations of sites were next made in the region of Arequipa. It was found that the ground was much broken up by ravines or "quebradas" and much magnetic sand was found over the whole region, so that no suitable area could be located. The Pampa de Salinas was suggested as a possible site, but it was rejected because of its great altitude, 14,000 feet (4300 meters), and its inaccessibility

both for the transportation of materials and for communication facilities.

Because of the prevalence of magnetic sand at low altitudes, it was found necessary to inspect sites at elevations of 10,000 feet (3000 meters) and more. Consideration was next given to the region in the vicinity of Juliaca, Peru, and the Lake Titicaca region at an elevation of about 12,500 feet (3800 meters). It was thought that this region might serve since there was a flat area of considerable extent, evidently an old lake bed. It was found, however, that in the rainy season and for some time afterwards this whole region was covered with scattered pools of water, a condition not favorable to earth-current work. It was thought also that the proximity of Lake Titicaca to the site would perhaps be objectionable for atmospheric-electric work.

While Messrs. Fleming and Rosemberg were working in the vicinity of Arequipa, Mr. Wise made an examination of the region east-northeast of Juliaca as far as Huancané, a distance of about 40 miles (65 kilometers) over the Taraco and Ramis pampas. Possible sites were located at two points near Taraco and about 15 miles (25 kilometers) northeast of Juliaca, but it was learned that the entire countryside was practically inundated in the rainy season and for some time afterwards, and the region was, therefore, considered unsuitable.

From March 25 to 29, 1917, Messrs. Fleming and Rosemberg went to Lampa, about 30 miles (48 kilometers) northwest of Juliaca, and thence south to Cabanillas. Test observations were made at the Hacienda Huayta; these showed considerable local disturbance. Tests of the rocks and sand in the region showed much magnetic impurity. An apparently more suitable region was noted on the return to Juliaca not far south of kilometer 283 of the Southern Railway of Peru. Samples of rock in this region were found, however, to be magnetic, and flat areas sufficiently large for a suitable site could not be located.

From March 26 to 30, Mr. Wise traveled by rail to Tirapata and examined the regions northwest of Tirapata for about 30 miles (48 kilometers), going as far as Recreo. He found all of the pampas too small to provide suitable sites.

When sites in the vicinity of Cuzco were considered, it was found that the only suitable location would be the Pampa Anta, west-northwest of Cuzco. As this pampa was known to be marshy during and following the rainy season and as there was some prospect of the extension of the railway from Cuzco toward the site, little consideration was given to this region.

The region in Bolivia between Lake Titicaco and La Paz was considered unsuited for an observatory, since it was of the same general character as the region about Juliaca. Furthermore, the cost of building in this region was found to be prohibitively high. No consideration was given to the region south of La Paz because the location would then be too close to the observatory at Cordoba.

Examination of the great pampa of Vincocaya in the neighborhood of kilometer 160 along the Southern Railway route from Arequipa revealed that the sand there was magnetic. This difficulty, in connection with the great elevation of approximately 14,500 feet (4400 meters) above sea level, eliminated further consideration of this region.

From April 9 to 21, an examination of the region near Huancayo was made. This region was found readily accessible from Callao and Lima by regular train service on the Central Railway of Peru. After preliminary examination by Messrs. Fleming and Rosemberg on April 10 of localities ten miles (16 kilometers) to the northwest and ten miles (16 kilometers) to the west of Huancayo, and by Mr. Wise on April 11 of the valley through which runs the road between Jauja and Huancayo, it was decided to examine the region near Huayao, a small Indian village eight miles (13 kilometers) west-northwest of Huancayo. The valley of the Mantaro River was found to be at its widest here, with a flat, cultivated, but non-irrigated area to the east and north of the village. The soil of the whole valley proved to be reddish, sandy clay with considerable quantities of gravel in various places and with occasional outcroppings of limestone and a kind of flint in the hills.

Observations to determine whether there might be any local magnetic disturbance in this region were made from April 12 to 16, six stations being occupied during this period. Distribution of values of the magnetic elements was found from these observations to be quite uniform.

The topography of the region was regarded as suitable for the observatory site, since a relatively flat area, made up of two plains known as Paccha Pampa and Pampa Sicayo, extended for eight miles (13 kilometers) or more in an east-west direction, and approximately five miles (eight kilometers) in a north-south direction.

The Chupaca River, bordering Paccha Pampa on the south, was considered a satisfactory source of water. The flow of water, even at the height of the dry season, was reported as four to five cubic meters per second.

Discussion with inhabitants of the region disclosed that the climate was favorable. It was reported that the rainy season lasted generally from November to March, with heaviest rains in January and February. During the balance of the year, the weather was reported as generally clear and fine. Frosts were said to occur only occasionally in the region.

Accessibility of the region was regarded as satisfactory because of the regular railway service on the Central Railway of Peru as far as Huancayo. Travel from Huancayo to Huayao was by horse or burro, the trip on horseback requiring about two hours. Telegraphic communication had been established between Huancayo and Lima; no telephone or telegraphic facilities existed between Huancayo and Huayao. It was found, however, that messages would be delivered to the observatory site by various people and organizations in Huancayo.

In view of the favorable characteristics of the locality near Huayao, the recommendation was made to the Director that a site be obtained on the Paccha Pampa approximately two miles (three kilometers) east of Huayao and one-half mile (800 meters) north of the Chupaca River. The proposed site was about seven miles (ten kilometers) from the nearest point on the railway. The topography of the country did not permit the selection of a site at a greater distance. However, discussion with railroad officials had indicated that there was little likelihood that the railway would be electrified, at least within 50 years.

The land in the region was found to be owned in small parcels by the local Indian population, and the purchase of a number of parcels would be required in order to obtain a site approximately 1000 feet (300 meters) square as desired for the observatory. As the Indian owners did not understand such matters, it was not feasible on the inspection trip to acquire options on the various pieces of land comprising the proposed site.

The environment for atmospheric-electric work was not considered ideal, but it was thought to be as nearly so as could be attained in such rugged country.

Acknowledgments

In the course of examining sites for the South American observatory in the early part of 1917, much help was received from F. E. Hinckly in charge of the Harvard College Observatory and from F. A. Curry, chief engineer of the southern railway of Peru. When sites near Cuzco were examined, much helpful advice was received from T. E. Payne and W. T. T. Milham of the English Mission at Calca and Cuzco.

Acquisition of the Observatory Site

Acting under instructions from the Director dated February 17, 1919, Dr. H. M. W. Edmonds sailed from New York on February 25 bound for Peru to arrange the purchase of an observatory site near Huancayo. Upon arrival in Callao, Dr. Edmonds was joined by Mr. Rosemberg, who had previously assisted Dr. Fleming in his inspection of various possible sites.

During most of March and part of April, visits were made to the American Legation, the American Consulate, and many officials of the Peruvian Government and of business organizations to obtain all possible information concerning the proposed observatory site and necessary support for acquisition of the site. The assistance of Mr. McMillan, the American Minister to Peru, was invaluable at this time, as it had been in 1917, in presenting the importance of our work to the several ministers of the Peruvian Government.

Upon arrival at Huancayo, Dr. Edmonds and Mr. Rosemberg occupied two magnetic stations. They went next to the village of Huayao near the proposed site, where preparations were made to establish a temporary magnetic observatory. For this purpose, two rooms were rented in an adobe building on the outskirts of Huayao. In one of these rooms, a magnetograph was installed, and the other room was fitted up for diurnal-variation measurements in inclination with an earth inductor. In an adjacent lot, a tent was set up for absolute observations of the magnetic elements. Measurements were made during the latter part of May and the early part of June.

As soon as opportunity presented itself, contacts were made with the owners of the several divisions of the desired site, and preliminary steps were taken for the purchase and acquisition of supplementary titles. These titles were the nearest to clear titles that it was possible to obtain and were necessary for registration of title. As there were 11 separate plots of land with several persons beside the apparent owner interested in each plot, the process of acquisition of title was very tedious. Not until December 31, 1919, did the judge give his final decision on the transfer of titles, and the titles were then inscribed in the Civil Registry.

Description of Adopted Site

Paccha Pampa, the location of the site, and Pampa Sicayo form practically one great plain, without definite division, bounded on the south by the Chupaca River. From Huayao, Paccha Pampa extends to the east and northeast three miles (five kilometers) or more and then, in a slope of about 30° with a fall of from 200 to 250 feet (60 to 75 meters), merges into the larger Pampa Sicaya, which in turn extends about three miles (five kilometers) eastward and then, in a slope of perhaps 40° with a fall of 30 to 50 feet (10 to 15 meters), merges into the bed of the Mantaro River. South of Paccha Pampa, beyond the Chupaca River, the plain narrows rapidly and is somewhat broken by small foothills and ravines. The east-west width of the valley at Huayao is about ten miles (16 kilometers), and the distance between the tops of the first mountain ranges to the east and west is about 16 miles (25 kilometers); these first ranges rise from 2500 to 3500 feet (750 to 1100 meters) above the plain. The altitude of the town of Huancayo is 10,693 feet (3260 meters) above sea level, and, as the plain near Huayao is some 300 feet (90 meters) higher, the altitude of the observatory site is about 11,000 feet (3350 meters). Figure 1 is a map showing the location of Huancayo Magnetic Observatory.

The Chupaca River runs in a gorge which is from 150 to 175 feet (45 to 55 meters) below the level of the Paccha Pampa. It has sufficient fall to permit operation of a hydraulic ram for supplying water to the observatory. A concession granting the use of water for the observatory was kindly granted by the Ministerio de Fomento of the Peruvian Government through the American diplomatic representative.

Although the site, at the time it was selected, was accessible from Huancayo only by horse, burro, and llama, this situation was greatly improved in later years with the construction of an automobile road. Trucks, busses, and passenger cars now travel the road between the observatory and Huancayo in about 25 minutes. Since the road is constructed of broken rock and gravel, it may be traveled without difficulty even in the rainy season.

As stated before, Huancayo is reached by the Central Railway of Peru. The railway rises rapidly from Lima, reaching its highest point near Ticlio on the main line at an elevation of 15,583 feet (4750 meters). It then descends rapidly, passing through La Oroya at about 12,500 feet (3800 meters) altitude, and continuing southward to Huancayo. The trip from Lima to Huancayo, 215 miles (346 kilometers), requires about 12 hours. In the mountains during the rainy season, there are occasional landslides which delay traffic for long or short periods, but these difficulties are efficiently handled by the railroad.

In the region of Huancayo, there is a rainy season lasting generally from November to March, the period of heaviest rain being in January and February. Frosts occur there only occasionally. Snow never falls at the site, but there are a few hailstorms each year. The amount of clouds during the rainy season averages between five and eight on a scale of zero to ten, but during the balance of the year, the weather is generally clear and fine. Winds are variable and are strongest in July and August, with velocities occasionally as high as 30 to 40 miles (50 to 65 kilometers) per hour. Maximum daytime air temperatures rarely exceed 25° C, but evenings and nights are cold with minimum temperatures generally ranging between 0° and 10° C.

The results of magnetic observations which indicated the absence of local disturbances at the adopted site, together with those obtained at the other sites examined, have been published in Volume IV of "Researches of the Department of Terrestrial Magnetism" [1].

Development of Observatory Site

While the necessary steps were being taken in 1919 to obtain titles to the properties required for the observatory site, Albert Smith of the Department's staff arrived from Washington on July 3 to supervise construction of observatory buildings. Construction was not immediately begun, however, as Dr. Edmonds found it necessary to visit several newly installed government officials in Lima to discuss with them the aims and needs of the observatory.

Supplies and materials ordered from Lima and the United States were brought to the observatory site by burros and llamas during July, August, and early September. Large quantities of nonmagnetic rock, gravel, and sand were also obtained at that time.

On September 19, ground was broken for the first structure. The first building to be erected was a combined stable and workshop. Work was next begun on the absolute magnetic building. Some months earlier magnetic observations, including both absolute observations and diurnal-variation measurements, had been begun on the site. These were at first made in a tent, but the rains, winds, and sudden temperature changes at the beginning of the rainy season made it necessary to construct a small wooden hut for the work. Care was taken to connect the geographical position of the hut with points at Huayao where magnetic observations had been made earlier.

In order that artificial local disturbances would not affect the magnetic instruments, the locations for the variation and absolute buildings were selected approximately 500 feet (150 meters) in from the north boundary of the site, along which passed the road to Huancayo. The variation building was placed with its long dimension in the direction of the magnetic meridian, and the absolute building with its long axis in the magnetic prime vertical. The selected locations placed both buildings approximately 200 feet (60 meters) from the west boundary of the site and 800 feet (245 meters) from both south and east boundaries.

One of the great problems met was the transportation of lumber and other materials. Men and animals could be obtained only between intervals of harvesting and other local activities. Furthermore, the supply of labor was low as mining and other development companies in the region had employed many workers. For months the railroad was blocked with freight because of a succession of landslides on the line, and during this time no regular freight service was maintained. In spite of these drawbacks, the work of construction proceeded steadily, thanks largely to the energy and ability of Mr. Smith. By May, 1920, the absolute magnetic building was almost completed, only pier tops, interior wall boarding, and window shutters remaining to be installed. The work had been stopped at this point at the end of April in order to begin work on the variation building and the observers' quarters. It was desirable to get these buildings under roof before the beginning of the rainy season in October or November. The variation building, which was laid out on April 30, and the observers' quarters, laid out on May 4, were well under way by August, foundations, framing, roofing, chimneys, sidings, and some of the partitions being finished. All the buildings were constructed of wood, resting either on well-tarred wooden piers or on cement foundation.

Stone walks covered with gravel were laid between the various buildings. In the center of the group of buildings, a thermometer shelter of the United States Weather Bureau design was installed. During 1920 a well was dug on the site to a depth of approximately 150 feet (46 meters), but no water was found. Conglomerate rock was encountered throughout the entire drilling operating, making the work tedious and difficult. Later a second well was made, again to a depth of 150 feet (46 meters), but this also was unsuccessful.

In considering the problem of fencing the site, adobe walls were thought of as well as ordinary wire fence. The wire fence was, however, finally decided on, and this was placed around the entire property, first on eucalyptus posts and later on concrete posts.

The magnetic buildings and observers' quarters were not yet completed, owing to repeated delays in delivery of materials and supplies, when Dr. Edmonds was succeeded on April 1, 1921, by W. F. Wallis as observer-in-charge. The observatory party took up residence on the observatory site on May 3, using the absolute observatory as living quarters pending completion of the observers' residence. Efforts were concentrated on completion of the variation building, and the magnetograph was installed there in October, 1921. Although from that time absolute observations were made weekly in the small wooden hut built earlier for that work, and scale-value determinations of the variometers were made monthly, continuous photographic recording with the magnetograph was not begun until March 1, 1922. Time observations were made at weekly intervals after beginning the magnetograph work in October, 1921.

To the nucleus of four buildings constructed in 1919, 1920, and 1921, others were added from time to time as the work of the observatory was extended to include observation in fields other than magnetism. In 1922 and 1923, a concrete building for measurements of atmospheric potential gradient and conductivity was erected to the north of the variation building, and in the same period a second concrete building containing a storeroom, workshop, and room for an electric power plant was built east of the absolute building. In the power room, a 32-volt Delco electric plant, which served satisfactorily for many years, was installed. In the years 1931 and 1932, a concrete structure was added for housing seismograph instruments, a brick building was erected for spectrohelioscope work, and a building containing space for ionospheric and radio instruments and additional living quarters for observers was constructed of brick to eastward of the main group of buildings. In 1934, a powerhouse, and in 1936, a cosmic-ray observatory were built, both of brick. The most recent addition to the observatory was the construction in 1944 of a new ionospheric laboratory near the site of the building originally containing the ionospheric apparatus.

In the original ionospheric laboratory, a fixed-frequency apparatus was first installed in May, 1933. This equipment was replaced in March, 1935, by photographically recording fixed-frequency apparatus. In November, 1937, a new multifrequency apparatus was installed in place of the fixed-frequency recorder. The multifrequency apparatus was moved to the new ionospheric laboratory in 1944, and in 1945 field-intensity recorders were placed in the same building.

THE OBSERVATORY BUILDINGS

The buildings, as of 1945, include combined magnetic variation observatory and office, absolute magnetic observatory, atmospheric-electric observatory, ionospheric laboratory, spectrohelioscope shelter, cosmic ray observatory, seismological observatory, meteorological shelter, observers' quarters, auxiliary quarters, powerhouse, workshop, and miscellaneous small buildings, including garage, laundry, etc. The arrangement of buildings is shown in the plan of the observatory site in Figure 2. Figure 3 is an aerial view of the buildings and grounds from the southeast taken in 1941.

Construction of Buildings for Magnetic Observations

The variation observatory and the absolute observatory were constructed according to designs by J. A. Fleming, who had designed [2] the magnetic observatories of the United States Coast and Geodetic Survey at Cheltenham, Sitka, and Honolulu while he was a member of that organization. Utmost care to avoid the use of any magnetic materials was taken in the construction of the absolute observatory and the variation building.

Details of construction of variation observatory and office.--The variation observatory was designed to include insulation sufficient to insure inside it a diurnal range not greater than 0°.1 to 0°.2 C, assuming an average diurnal range outside of 20° C, and to reduce the annual temperature change inside the variation room to 10° C or less, assuming a mean annual range of 40° C outside. To facilitate insulation and ventilation, the observatory office was incorporated in the variation-observatory building.

Figure 4 is a foundation and pier plan. The entire foundation and the piers are of concrete. The fireplace and chimney also are built of concrete. The building itself is of wood, and copper nails are used throughout.

Figure 5 is a floor plan, and indicates in general how the piers in the magnetograph room are arranged so as to accommodate two sets of variometers. The arrangements for insulating the magnetograph room are also evident, as well as the arrangements for ventilation. Further details of construction illustrating the methods and the materials used for insulating may be obtained from Figures 6, 7, and 8. Figure 9 is a view of the variation observatory and office from the north.

That the insulation of the magnetograph room is adequate is demonstrated by the fact that during the period 1922 to 1935 the daily range in temperature in the room seldom exceeded 0°.1 C, and this small range was caused principally by observers entering the room. The extreme range of temperature during a whole year was usually about 5° C inside the magnetograph room, while out of doors the range generally was about 25° C.

Details of construction of the absolute observatory.--The absolute observatory, plan and elevation of which are shown in Figure 10, is of sufficient size--16 feet by 32 feet (4.88 by 9.75 meters), outside--to accommodate two sets of instruments so that simultaneous intercomparisons may be made in one room, neither instrument disturbing the other. There are three piers at each end of the observatory for mounting a magnetometer, an earth inductor, and a galvanometer. Several dead-air spaces in the walls guard against rapid temperature changes. In the construction of the building, the fireplace and chimney shown in Figure 10 were eliminated, since temperature conditions at Huancayo make heating unnecessary. As in the variation observatory, the piers are of concrete. Caps of nonmagnetic marble 2 inches (5 cm) thick and 14 inches (36 cm) square, fitted with brass instrument clamps, are provided on each of the six piers. The absolute building, a wooden structure like the variation observatory, rests on posts of concrete. Figure 11 is a view of the absolute observatory from the northeast.

Living Quarters and Buildings for Atmospheric-Electric, Ionospheric, and Other Investigations

Atmospheric-electric observatory.--This structure is built of concrete, although all buildings constructed earlier are of ordinary frame construction. It contains the equipment for continuous recording of atmospheric potential gradient, atmospheric conductivity, and earth currents. In it are also installed the Landis program machine and the Landis master clock, both of which are used in accurate automatic time control of all the observatory recording instruments. An exterior view of the building is shown in the center-rear in Figure 3. A wooden louvering surrounds the main concrete structure and permits ventilation while affording protection from the direct rays of the Sun. Projecting through the nearly flat roof are the exposed part of the air-flow tubes of the conductivity apparatus, and part of the potential gradient apparatus projects through the east wall. The location for this building was chosen about 175 feet (53 meters) from the magnetic-variation observatory to insure that any small quantity of iron or other magnetic material built into it or used within it would have no significant effect on the magnetic instruments, and further to insure that the distorting effect of the variation observatory and other buildings on the equipotential surfaces of the Earth's electric field would be insignificant in the vicinity of the atmospheric-electric observatory.

Principal observers' quarters.--Figures 12 and 13 indicate the arrangement of the observers' quarters as originally built with five rooms, bath, and large attic. The building, located 150 feet (46 meters) east of the variation observatory, is of frame construction, supported on posts of concrete. Since the completion of the building in 1922, four rooms and a bath have been added upstairs, providing separate quarters from those downstairs, with separate entrance from the rear veranda. An exterior view, after alteration, is given in Figure 14.

The principal quarters are occupied by the observer-in-charge and his family and the family of one of the observers. Other observers occupy auxiliary quarters.

Auxiliary quarters, ionospheric laboratories, and powerhouse.--The auxiliary quarters, located about 300 feet (90 meters) east-southeast of the principal quarters, built of brick and roofed with tile, were completed in 1932. Two rooms on the east side of this building were designed for installation of ionospheric equipment, and the first equipment was installed in May, 1933. The building continued to be used as a combined residence and ionospheric laboratory until 1944.

Electric power.--Until the ionospheric apparatus was added to the observatory equipment, adequate power for the observatory needs was furnished by the 32-volt Delco unit installed in 1923. Although the Delco unit was kept in service as before, a temporary installation of equipment to furnish power for the ionospheric apparatus was made in 1933 in the auxiliary quarters, but this arrangement was discontinued in 1934 when a new power building of brick with tile roof was completed. This building was placed 200 feet (60 meters) due south of the auxiliary quarters, and underground conduits were provided between the two buildings for power lines. Additional underground conduits were laid to other buildings on the site, and the power supply from the new power plant used for all requirements of the observatory. At this time the Delco power unit was discarded. In the new power plant two 110-volt D.C., 2-kilowatt, 1350 rpm Kohler motor-generator sets were installed and used alternately until 1938 to provide continuous service; in 1938 a Reiner Diesel generating set, having a 15 horsepower radiator-cooled engine driving a 6-kilowatt, 975 rpm, 104-110 volt D.C. generator, was supplied, and this became the principal power supply, with the Kohler units maintained as stand-by equipment.

In 1944, the new ionospheric laboratory, of brick construction with tile roof, was erected about 100 feet (30 meters) northeast of the auxiliary quarters, and all ionospheric equipment was moved from the latter building, leaving it for use solely as living quarters. Views of the auxiliary quarters and powerhouse are given in Figures 15 and 16.

Water supply.--When the digging of two wells on the observatory site failed to produce a supply of water, cisterns were built to store rainwater caught on the roofs of the buildings. One cistern was placed centrally in the quadrangle formed by the magnetic absolute and variation buildings, the principal quarters, and the building containing the storeroom and workshop. Another was placed directly behind the principal quarters, and a Delco shallow-well pump was installed over it to pump water to various outlets. Until 1929 rainwater was used for most purposes, augmented by water brought by burro (and later by truck) from the Chupaca River. In 1929, an hydraulic ram was installed on the Chupaca River directly south of the observatory site, and the water was piped to the cisterns. The ram was thereafter operated as needed to maintain a satisfactory supply of water.

Cosmic ray, seismograph, and spectrohelioscope buildings.--The brick cosmic ray and spectrohelioscope buildings and the concrete seismograph structure, shown in Figure 17, stand in a group about 150 feet (46 meters) south of the absolute magnetic building. All three buildings have red tile roofs laid over wooden framing. In the cosmic ray building are also installed an anemograph and radio apparatus, the latter used for the transmission and reception of messages between the observatory and office at Washington, through the kind co-operation of members of the American Radio Relay League. Under the auspices of the International Astronomical Union, spectrohelioscope observations were begun at Huancayo in 1935 as part of an international program of study of solar activity and solar flares and their correlation with magnetic activity.

GENERAL PROGRAM OF INVESTIGATIONS

While this volume is concerned primarily with the results of magnetic observations at Huancayo for the years 1922 to 1935, a brief outline is given below of other major items in the program of investigations during this period. The names of the observers-in-charge and observers who carried through the program are given in Table 1.

Meteorology

Continuous records of barometric pressure, temperature, and humidity have been obtained since 1922 by means of recording instruments. Readings of a mercurial barometer, of a standard thermometer, and of the wet and dry bulbs of a sling psychrometer, made once each day, control the continuous records. Thermometers are provided which indicate daily maximum and minimum temperatures. Continous records of wind direction and velocity are obtained by means of a pressure tube type of anemograph. Daily total rainfall is measured by a standard United States Weather Bureau rain gage. In addition, detailed notes of the extent and changes in the various cloud formations and of the general weather conditions are made at frequent intervals each day.

Atmospheric Electricity

Potential gradient.--Continuous photographic records of the electric potential gradient of the atmosphere, begun in February, 1924, are obtained by means of a suitable radioactive collector connected to a recording quadrant electrometer which is mounted in the atmospheric-electric building. The collector, a brass disk about 2.5 cms in diameter on which has been placed a small quantity of ionium salt covered with a thin film of bakelite lacquer for protection, is mounted on the end of a metal rod which projects horizontally about a meter from the east wall of the building, at a height of 2.4 meters above the surface of the ground. The ground is kept carefully cleared and leveled over the region within ten meters of the building. Since the Earth's electric field is distorted by the building, the values of potential gradient must be reduced to values representing an open, level region free from distortion. For this purpose, about once a month, observations are made simultaneously with a portable apparatus, using a stretched wire to support the collector, at a field station free from distortion, located about 200 feet (60 meters) northwest of the building.

Conductivity.--Since November, 1923, continuous records have been obtained of the positive and negative electrical conductivities of the atmosphere, arising chiefly from the presence of small positive and negative ions in the air. The equipment is a modification of the well-known Gerdien apparatus, but with certain modifications and improvements which resulted from several years' experience with such apparatus at Washington.

The record is made photographically, using a quadrant electrometer as the measuring instrument. One pair of quadrants of the electrometer is connected to an insulated metal cylinder mounted centrally in a tube

through which the air sample is drawn, and the other pair is connected to the case of the electrometer, which is maintained at a suitable potential. The two pairs of quadrants are permanently connected through a high-resistance radioactive cell, and the charges collected from the air sample on the insulated central cylinder leak to earth through this resistance, producing a potential drop across it and causing an electrometer deflection which is proportional to the conductivity being measured. The value of conductivity in terms of electrometer deflection is determined by calibration data obtained weekly. Separate recording units, with separate electrometers, are used for positive and negative conductivity.

The air samples drawn into the hooded apertures on the roof of the atmospheric-electric building by motor-driven fans, are discharged into an open space between the raised floor and the ground. The air velocity is kept great enough to insure against the establishment of saturation current between the central cylinder and the air-flow tube under all conditions of operation.

Terrestrial Electricity

Earth currents.--Recording of earth current potentials was begun in November, 1926. To obtain duplicate records, as a safeguard against spurious electrode effects in the records, two sets of lines were installed, one on Pampa Sicaya and the other on Paccha Pampa. The lines on Pampa Sicaya are 2.8 km (northward) and 2.4 km (eastward) in length. The lines on Paccha Pampa originally were 3.4 km (northward) and 3.2 km (eastward) long but following an earth-resistivity survey in 1929 these lines were relocated to avoid a local area of high resistivity and were shortened to 1.8 and 2.0 km, respectively. Excellent agreement between the two independent records of the two components has marked the recording and provided accurate data on the variations of earth current potential gradient.

The electrodes used are web-shaped grids of lead wire about six meters in diameter set at depths of 1.5 to 2.0 meters. The recording instrument is a Leeds and Northrup multipoint multirange recording potentiometer which records successively the potential difference on each of the four lines so that the potential in any given line is registered once in every four minutes, approximately. Connections between the recorder and electrodes are made with overhead lines of No. 14 copper wire. The earth resistivity survey made by W. J. Rooney of the Department staff between June, 1929, and January, 1930, has greatly facilitated the interpretation of the earth current results.

MAGNETIC ABSOLUTE INSTRUMENTS AND METHODS OF USE

Magnetometer

Description.--Magnetometer DTM CIW No. 10 used for determinations of declination and horizontal intensity is of the type shown in Figure 18. This type was designed by the Department to combine the best features of the magnetometers of the United States Coast and Geodetic Survey and of the instruments of the Magnetic Survey of India. The base of the instrument, which rests on three adjustable foot screws, supports a graduated horizontal circle 12.5 cm in diameter having verniers reading to 20″, and may be used with either the theodolite or the magnetometer, the latter being shown mounted in the figure.

The scale by means of which the position of the collimating line of the magnet is referred to the horizontal-circle setting is engraved on a plano-parallel glass diaphragm in the telescope. The stirrup for supporting the magnet is suspended by a phosphor-bronze fiber and may be raised or lowered by means of a milled head at the top of the suspension-tube. An arrestor is provided for quieting the motion of the magnet. The brass deflection-bar, of rectangular cross section, is mounted just below the magnet house and is centered and held in place by two slightly tapering pins, one at each side of the house. For centering and protection against sudden temperature changes, the deflecting magnet is mounted in a wooden box. The lower end of the magnet-centering pin of the deflection-box is finished so as to fit snugly into holes in the deflection-bar, thus eliminating variability in setting the deflecting magnet at a given distance. During deflection observations a suitable counterweight is placed on the deflection-bar to counterbalance the deflection-box and maintain the level of the instrument. Torsion is removed from the fiber by a suspended plummet, of the same mass as the magnets used, having a graduated rim that can be read through the magnetometer telescope by introduction of an auxiliary lens.

To eliminate so far as possible questions arising because of irregularities in their shape, the magnets are made as hollow cylinders of such dimensions as to make the second distribution coefficient theoretically zero. They are enclosed in aluminum sheaths which carry the centering and optical arrangements, the latter including a reticle of two engraved lines at right angles. The sheaths are appropriately marked so that the magnets may be rotated 180 degrees about their long axes; that is, for setting the magnets "erect" and "inverted." The long magnet is 7.50 cm in length. The inside and outside diameters are respectively 0.75 cm and 1.00 cm. The short magnet is 3.50 cm in length with inside and outside diameters respectively 0.61 cm and 0.82 cm.

Declination observations.--The declination observations comprise two sets, between which observations for horizontal intensity are usually made. Preceding the observations, the plane of detorsion of the suspension is first determined and made to coincide with the vertical plane through the collimation-axis of the instrument. The form, on which an actual set of observations is recorded, reproduced in Figure 19, indicates the observational procedure in the first set of observations. In the second set (not shown) the procedure is identical except that the observations are begun with the magnet inverted instead of erect.

Horizontal-intensity observations.--The observations for horizontal intensity comprise a set of oscillations, with long magnet erect, followed within a few minutes by a set of deflections, both magnets erect; next a second set of deflections with both magnets inverted, followed within a few minutes by a second set of oscillations with long magnet inverted. In Figures 20 and 21, respectively, the results of the first set of oscillations and the first set

of deflections are given for an actual determination. Under "chronometer time" is given to the nearest 0.1 second the time when the vertical line on the reticle of the oscillating magnet crosses the center of the scale in the telescope, the amplitude of the oscillation being so small that the correction for it is negligible. The first and third columns indicate the number of complete oscillations which have occurred since the first recorded chronometer time. The temperature, t′, of the oscillating magnet is recorded at the beginning, in the middle, and at the end of the set. One set of observations for determining the coefficient of torsion, sufficing for both sets of oscillations and deflections, is usually taken before the first set of oscillations or after the second set.

On the form for deflection observations, Figure 21, the first column, and the distances indicated under "circle readings," define the position, generally known as the first position of Lamont, of the deflecting magnet (the same magnet as used for oscillations) relative to the deflected magnet (the short magnet described with the magnetometer); the second column defines its approximate orientation. Actually its axis remains essentially parallel to the deflection-bar. For each position and orientation of the deflecting magnet, the whole magnetometer attachment is so oriented on the horizontal circle that the center of a small arc of oscillation of the short magnet, usually one or two divisions, coincides with the center of the scale in the telescope; the numbered circle readings are the corresponding readings of the horizontal circle. Using the same thermometer as in the set of oscillations, the temperature of the deflecting magnet is usually read thrice during the set of deflections. The formulas used in making the computations for horizontal intensity are indicated on the lower half of the oscillation form. In these the significance of the symbols is as follows:

T′ = observed time of one oscillation, corrected for chronometer rate

T = T′ corrected for torsion, temperature, and induction

h = angle through which the magnet turns when the torsion head has been turned through an angle f

t′ = mean temperature of the long magnet during oscillations

t = mean temperature of the long magnet during deflections

μ = induction coefficient of the long manget

K = moment of inertia of the long magnet at the temperature t′

m = magnetic moment of the long magnet at the temperature t

m_S = magnetic moment of the long magnet at 20° C

q = temperature coefficient of the long magnet

r = distance between centers of magnets in deflection observations

P = first distribution coefficient

u = deflection-angle

The value of C is constant for a given deflection-distance and a particular temperature. Further details regarding the observations, computations, or the determination of the constants used may be found in "Directions for magnetic measurements" by Daniel L. Hazard [3].

Throughout the period 1922 to 1935 only one magnetometer, DTM CIW No. 10 was used and one set of magnetometer constants with it, this set being dated September 23, 1916.

Earth Inductor

Description.--Figure 22 shows the earth inductor, manufactured by Otto Toepfer and Son, used for determinations of inclination. It is substantially the design originated by Wild, as modified by Eschenhagen. After the instrument is leveled, the reading of the plane of the magnetic meridian on the horizontal circle is determined through mounting a compass on the axles of the ring bearing the coil, the axis of the coil being then clamped in this plane. The mean diameter of the coil is about 9.5 cm, and it is rotated by a flexible shaft shown in the figure. Readings of the vertical circle may be estimated to 0.1 minute of arc by means of glass diaphragms divided into ten one-minute graduations and mounted in the reading microscopes; the smallest graduation of the vertical circle is ten minutes of arc, and its diameter is 15.5 cm. Suitable commutating arrangements are made, and connections are provided for wiring to a sensitive galvanometer. The horizontal circle, which is about 24 cm in diameter, is graduated in whole degrees, while the least count of the vernier is five minutes of arc. Levels are provided for determining the relation of the axis of the coil when vertical to the lines of sight of the microscopes which are fixed in position. The limb of the vertical circle is protected from tarnishing by the conical cover shown in the figure. Earth inductor DTM CIW No. 5 was used throughout the period 1922 to 1935.

Inclination observations.--Observations for inclination are made with the earth inductor and a sensitive Plath galvanometer. An actual observation consists of two sets, the first of which is shown in Figure 23. In the lower right corner of the form are given the observations made to determine the two orientations of the horizontal circle for which the axis of the rotating coil will be in the magnetic meridian. With the vertical circle east, the axis of the coil is set vertical by means of a level mounted inside the coil, and the vertical circle is read, first for the face of the coil marked A east, and second for face A west. The axis of the coil is then set at the inclination for which no current is indicated by the galvanometer when the coil is rotated. The time at which no current is obtained, and the vertical-circle readings at that time, are recorded. This observation is followed by two more settings of the vertical circle, with the coil being rotated in the opposite direction, and then by another setting with the coil rotation in the original direction. For this fourth observation, the time is also recorded, after which the axis of the coil is again set vertical for each of the two positions of the coil face, and the vertical circle is read. This procedure is repeated with the vertical circle west, to give the second set of observations. For circle east, the mean of the readings for the axis inclined, subtracted from the mean of the readings with the axis vertical, gives the co-inclination. For the circle west, the mean of the readings for the axis vertical, subtracted from the mean of the readings with the axis inclined, gives the co-inclination.

VARIATION INSTRUMENTS AND METHODS OF USE

Eschenhagen Magnetograph

Eschenhagen magnetograph DTM CIW No. 2 consists of declination, horizontal-intensity, and vertical-intensity variometers and one photographic recorder made by Otto Toepfer and Son, Potsdam. The arrangement of the variometers and recorder drum on the piers in the variation room, and the orientation of the magnets, are shown diagrammatically in Figure 24.

From March, 1922, to October, 1926, time-marks were made at hourly intervals on the photographic record in the form of interruptions of about two and one-half minutes' duration in the base lines. The interruptions were produced by a shutter operated by the clock rotating the recorder drum. Once in the morning, and again in the evening, the times at which the shutter opened and closed, were carefully noted with a standard chronometer. This determined the correct times for the beginning and end of two of the interruptions. If the recorder clock had an appreciable rate, the times for the intervening interruptions were obtained by interpolation.

From October, 1926, to January, 1928, hourly time-marks appeared as lines perpendicular to the base lines. To obtain these, a lamp, having a horizontal slit, was mounted on the wall of the variometer room directly west of the recorder at the height of the axis of the recorder drum. A cylindrical lens in front of the lamp slit confines the beam largely to a horizontal pencil which is adjusted to cover the central part of the cylindrical lens in front of the recorder, so that the latter brings the pencil to focus on the photographic paper as a sharp line parallel to the axis of the drum. At hourly intervals the lamp is automatically lighted for approximately four seconds by a Landis program machine, which is located in the atmospheric-electric building, thus completely avoiding the use of relays in the variation room.

The program machine is controlled by a reliable, electrically operated clock, having a one-meter mercury-compensated pendulum. Corrections to the clock, obtained from daily comparisons with wireless time signals, are maintained at less than ten seconds. An independent control of the time-marks is obtained by entering on the daily magnetograph journal the time indicated by a standard chronometer whenever the manual shutter of the recorder is closed or opened.

Since January, 1928, the same arrangement has been used to record five additional time-marks at intervals of ten minutes between the hour-marks. By using for the ten-minute marks an exposure of about two seconds, or half that used for the hour-marks, the latter are easily identified on the photographic records.

Declination Variometer

Description.--The declination variometer consists essentially of a small magnet suspended with its axis in the magnetic meridian by a single fine quartz fiber of small torsion coefficient. Figure 25 is a photograph of the instrument with the sides of the housing raised to show the magnet suspended freely inside a copper damping box, the cover of which is shown removed. By means of the copper box adequate damping is obtained. Beneath the instrument are shown the graduated rod and support for the magnet used in scale-value determinations of the horizontal- and vertical-intensity variometers by the method of deflections. The two small control magnets which are shown mounted below the center of the instrument were removed before the variometer was set up. The planes of two mirrors attached to the magnet frame are inclined at an angle slightly smaller than the angle subtended at the variometer by the width of the photographic trace. In this way the recording range is doubled. The mirror attached to the variometer housing is adjustable and serves to record a base line at any desired position on the photographic record. In operation, the instrument is adjusted so that there is little or no torsion in the fiber when the magnet is in the magnetic meridian.

Scale value.--The scale value, ϵ_d, of the declination variometer, in minutes of arc per millimeter on the record, is given by the following expression:

$$\epsilon_d = \frac{f}{f - h} \times \frac{\text{cotangent } 1'}{2R}$$

in which h is the angle through which the declination variometer magnet turns when its torsion head is turned through an angle f, and R is the distance in millimeters from the front nodal plane of the variometer lens to a point on the recording drum which approximates the average position of the recording spot, diminished by one-third the thickness of the cylindrical lens in front of the recording drum. Many determinations of scale value made at intervals over the period 1922 to 1935 were in good agreement, and the value of 1.00 was adopted from 1922 through January, 1935. During the fitting of the scale-value coils, early in 1935, a small change was made in the placing of the declination variometer and the distance R was remeasured; this resulted in a change of the scale value ϵ_d to 0.993, a value which was adopted on and after February 1, 1935.

Base line.--The form in Figure 26 indicates the routine procedure followed in determining declination variometer base-line values. The numbers I and II refer to the two sets of absolute determinations. For each set of absolute observations the times of beginning and ending, and of two times equally spaced between these, are recorded. For these times, scalings of ordinates, measured on the magnetogram from the declination base line to the declination trace, are made in millimeters. These ordinates are corrected for shrinkage or expansion of the magnetogram, converted into minutes of arc by use of a suitable table, and recorded on the form. The mean of the converted ordinates, subtracted from the mean result of the two sets of absolute determinations corrected to International Magnetic Standard, gives the base-line value. In accordance with convention, east declination is reckoned as positive.

Horizontal-Intensity Variometer

Description.--The horizontal-intensity variometer consists essentially of a magnet suspended at or nearly at right angles to the magnetic meridian by a single quartz fiber. During the period 1922 to August, 1927, no control magnets and no temperature-compensation magnets were used; therefore the force acting on the magnet because of the horizontal component of the Earth's field was balanced entirely by the torsion in the fiber. A change in the former, caused by a change in horizontal intensity, was accompanied by a corresponding change in

the fiber torsion. The temperature coefficient of the instrument through this period was about 14 gammas per degree centigrade and an increase in temperature caused an apparent decrease in the recorded value of horizontal intensity. During September, 1927, temperature-compensating magnets were installed at predetermined positions on fixed brackets to the north and south of the variometer magnet. The effect of these auxiliary magnets was so to alter the control field during changes of temperature as to nullify almost completely the effect of temperature change on the suspended magnet. As a result, the temperature coefficient of the horizontal intensity variometer was, from September, 1927, through 1935 sensibly zero. The change in the angular position of the magnet was recorded photographically in the same manner as in the case of the declination variometer. The horizontal-intensity variometer is shown with the magnet-system removed in Figure 27; the arrangement for damping, for recording a base line, and for doubling the recording range by means of two mirrors attached to the magnet frame is the same as in the declination variometer; the quartz fiber, however, is somewhat shorter and thicker. In Figure 27 the mirror just above the damping box is attached to a bimetallic strip which serves to record temperature changes. The rod and support for the magnet used in deflection observations for determining the scale value are not shown but are essentially the same as those for the declination variometer in Figure 25.

Scale value.--The scale value for the horizontal intensity variometer was determined at least once each month by the method of deflections, with small magnets similar to those shown in Figures 25 and 27. All deflections were made with the center of the deflecting magnet in the horizontal plane through the center of the deflected magnet. An observation for horizontal-intensity scale value comprises a set of deflections of the magnet in the horizontal-intensity variometer, taken between two sets of deflections of the magnet in the declination variometer. The various positions and orientations of the deflecting magnet, for each of which the position of the deflected magnet (when this has come to rest) is photographically recorded, are indicated on a printed form, reproduced in Figure 28, in which the results of an actual set of observations have been entered. The first column indicates the variometer magnet which is being deflected. The second column and the distances in the second row define the position of the center of the deflecting magnet, relative to that of the deflected magnet, while the third column indicates its orientation. The directions indicated refer to the magnetic meridian. To define the order in which the deflections are made, each is numbered. The scalings refer to the ordinates of the photographically recorded positions of the deflected magnet, measured from the variometer base line. The tabulated differences give twice the deflection produced with the deflecting magnet at the distance indicated. The scale value, ϵ_h, in gammas per millimeter, of the horizontal-intensity variometer is given by the expression

$$\epsilon_h = \frac{2u \times H}{2u' \times 2R} \times \frac{f}{f - h}$$

in which 2u and 2u′ are, respectively, the mean double deflections of the declination and horizontal-intensity variometer magnets; H is the average of the instantaneous values of horizontal intensity just before and just after the three sets of deflections of the horizontal intensity variometer magnet; and the other quantities are as defined under declination variometer scale values. ϵ_h is the scale value at the ordinate h, which is the mean of the ordinates for all the deflected positions of the horizontal-intensity variometer magnet. As the theory of the unifilar suspension indicates, ϵ_h varies with ordinate. It was found over periods as long as one year or more, provided no adjustments of the variometer were made in that interval, that the observed scale values were closely approximated by the following expression:

$$\epsilon_h = A + Bh$$

in which ϵ_h is the observed scale value at the ordinate h, and A the scale value at zero ordinate, that is, when the trace coincides with the base line. The ordinate h is positive when measured from the base line in the direction in which the trace moves when the horizontal intensity increases. As mentioned in the description of the horizontal-intensity variometer, two mirrors are attached to the magnet frame in such a way as approximately to double the recording range. These two mirrors and similarly the corresponding traces derived from them are referred to as lower (regular) and upper (reserve). The upper (reserve) trace is defined as that which comes on at the top of the photographic sheet when the horizontal intensity decreases to such a value that the lower (regular) trace goes off at the bottom of the sheet. If the expression just given defines the scale value, ϵ_h, for any ordinate h of the lower (regular) trace, then the scale value, $\epsilon_{h'}$, say, for any ordinate h′ of the reserve trace will be given by

$$\epsilon_{h'} = A + B(h' - d)$$

or

$$\epsilon_{h'} = A' + Bh$$

in which A′ is written for (A - Bd) and d is the linear distance in millimeters on the photographic record between the lower and upper traces.

At the end of January, 1935, a Helmholtz coil was fitted to the H variometer, and after February 1, 1935, all H scale values were made by the electrical method.

Base line.--The form regularly used for determinations of the base-line values of the horizontal-intensity variometer is shown in Figure 29. For each set of oscillations and each set of deflections in the absolute observations, four scalings are made from the horizontal-intensity trace, the first and last of which correspond in time with the beginning and end of that set. The two intermediate scalings are made at times equally spaced between the first and last. Each scaling is the ordinate measured in millimeters on the magnetogram from the base line to the trace, corrected for shrinkage. The significance of the symbols referred to in the computations is as follows, the subscript h referring to the horizontal-intensity variometer:

q_h = temperature coefficient of the variometer
t_h = temperature of the variometer
$\Delta t_h = (t_h - 15°.0)$
$\epsilon_h = (A + Bh/2)$ = the average scale value over the interval from the base line to scaling h
h_t = average $\epsilon_h \times$ mean H scaling
$\Delta h = q_h (t_h - 15°.0)$
$h = h_t + \Delta h$

H = mean value, corrected to International Magnetic Standard, of horizontal intensity from the absolute determinations

H Base (15°) = (H - h), the value of the horizontal-intensity variometer base-line at 15°.0 C

Vertical-Intensity Variometer

Description.--The vertical intensity variometer, Figure 30, consists essentially of a magnet free to move in a vertical plane about a horizontal axis which passes through the ends of the two steel pivots attached to the magnet support. When the magnet is mounted in the variometer, the steel pivots rest on agate bearing surfaces. The small weight which projects above the center of the magnet in Figure 30 is threaded on a screw. Moving this weight raises or lowers the center of gravity of the magnet-system and thus controls the sensitivity. Two other small weights on screws at right angles to the first and parallel to the long axis of the magnet provide the means of balancing the magnet so that its axis is approximately horizontal. Figure 31 shows the variometer from the front with the top and front doors open to show the mounting of the magnet-system. The control magnet, which was not used at Huancayo during the period 1922 to 1935, is shown dismounted together with its cover. To damp the oscillations of the magnet, each end moves between a pair of vertical copper plates which may be seen in Figure 31. In the center and at the back of the variometer housing are two mirrors, the one at the left serving to record a fixed base line, while the other, which is attached to a bimetallic strip, records temperature variations inside the instrument. To record the movements of the magnet, light from the vertical slit on the recorder lamp enters the variometer through a lens in the front of the instrument (see Figure 30), and is then reflected upward by the prism seen in Figure 31 to a mirror attached to the bottom of the magnet. The plane of the mirror is approximately parallel to the plane determined by the long axis of the magnet and its axis of rotation. The beam then returns through the prism and lens to the recorder. Figure 30 shows the deflection magnet, used only in magnetic scale-value determinations, mounted above the variometer magnet on a graduated bar. Provision is also made for mounting the graduated bar horizontally so that by means of an appropriate holder the magnet can be supported with its axis vertical and its center at the same level as the variometer magnet. During the interval 1922 to 1934, all vertical-intensity variometer scale values were made with the deflecting magnet in the position last described. During the same interval no control magnets or temperature-compensation magnets were used. The temperature coefficient of the variometer was found to be zero at 20° C between 1922 and October, 1926. Because of the unsatisfactory behavior of the Z variometer, as evidenced by frequent changes in base line, a new variometer was installed on October 22, 1926. This variometer was found to have a temperature coefficient of 8.4 gammas per degree centigrade at the standard temperature of 15° C and this value was adopted for the subsequent period to the end of 1935, an increase in temperature causing an apparent decrease in the recorded values of vertical intensity.

Scale value.--Vertical-intensity variometer scale-value observations were made at least once a month, using a deflecting magnet of somewhat greater moment than that used for horizontal-intensity scale-value observations. The form in Figure 32 indicates the procedure, together with the results of an actual set of observations. The scale value ϵ_z, in gammas per millimeter is determined from the quantities on this form by the expression

$$\epsilon_z = \frac{2u}{2u'} \times \frac{H}{2R} \times \frac{f}{f - h}$$

Here H is the average of the instantaneous values of horizontal intensity taken just before and just after the set of deflections of the magnet in the vertical-intensity variometer. For each set of deflections, the deflecting magnet is placed at three distances from the variometer magnet. To correct for distribution effects, the observed ϵ_z for each of the three distances is multiplied by a factor $(1 + P/r^2)$, in which r is deflection distance and P is the distribution coefficient. From observed values of ϵ_z obtained during the interval 1922 to 1934, inclusive, values of P were determined which gave the best agreement between the corrected values at the three distances.

Base line.--The routine procedure for determining the vertical-intensity variometer base-line values is outlined on the form in Figure 33. Scalings in millimeters from the corresponding base lines, corrected for shrinkage, are made from both the horizontal- and vertical-intensity variometer traces at times of beginning and ending of each half set of inclination observations. Symbols involving h as a term or as a subscript have already been defined in previous discussion of the form for base-line determination for the horizontal-intensity variometer; the definitions of these symbols, if h be replaced by z, become applicable to the vertical-intensity variometer. Any exceptions or additions to these definitions are given as follows:

H = H Base (15°) + h; that is, H is the mean value of horizontal intensity for the interval during the inclination observations

I = mean value of inclination from the earth-inductor observations, reduced to International Magnetic Standard

Z = H tan I = mean value of vertical intensity for the interval during inclination observations

ϵ_z = scale value

$z_t = \epsilon_z \times$ mean Z scaling

$z = z_t + \Delta z$

Z Base (15°) = Z - z, the value of the vertical-intensity variometer base line at 15°.0 C[1]

La Cour Magnetograph

In 1933 a la Cour rapid-running magnetograph (DTM CIW No. 6) was supplied to the observatory and installed on two piers at the south end of the magnetograph room [4]. The variometers for declination (D), horizontal intensity (H), and vertical intensity (Z), were mounted east of the recorder. From 1933 this instrument has been operated continuously and used as a stand-by apparatus to supply data when loss of record occurred on the Eschenhagen apparatus. During disturbed magnetic conditions, the la Cour record is used to verify results obtained from the Eschenhagen record.

[1] 20° C was used as the standard temperature for the Z variometer between 1922 and October, 1926

CONSTANTS OF THE VARIOMETERS AND NOTES ON INSTRUMENTAL OPERATION AND MAINTENANCE

Magnetograph DTM CIW No. 2 of the Eschenhagen type, consisting of declination (D), horizontal-intensity (H), and vertical-intensity (Z) variometers was used throughout the interval 1922 to 1935 as the principal magnetograph.

From 1933, la Cour rapid-running magnetograph DTM CIW No. 6 with declination (D), horizontal-intensity (H), and vertical-intensity (Z) variometers was operated in the magnetograph room simultaneously with the Eschenhagen instrument.

Time control of magnetographs.--From March, 1922, until December, 1923, chronometer corrections and rates were obtained once a week or oftener from morning and afternoon observations on the Sun with magnetometer theodolite. Thereafter wireless time signals from Annapolis, Arlington, or Balboa were used. After the Landis master clock was installed in October, 1926, close control of its correction and rate was maintained by wireless.

Temperature changes in variometers.--These were photographically recorded by the thermometric devices in the H and Z variometers. Thermometers in the variometers were read morning and evening for control. Diurnal variation in variometer temperatures seldom exceeded 0°.1 C. Monthly ranges and means of variometer temperatures are given in Table 2 for 1922 to 1935.

Shrinkage corrections and scalings.--To obtain the corrections for shrinkage or expansion, the magnetograph trace, as soon as it was removed from the recorder drum, was inserted in a "marker." This marker is so designed that five rows of four small holes each are punched across the width of the trace, the distance between the successive rows being 100.0 mm. The four holes in each of the five rows are so spaced that the distance between the first and third holes and between the second and fourth is 100.0 mm. The distances between several of the pairs of points are measured at the time of scaling; the difference between the mean of these measurements and the original 100.0 mm gives the amount of shrinkage or expansion which has taken place since the magnetogram was exposed. For a particular shrinkage, a simple table gives the correction to be applied to any measured ordinate.

The average ordinate in millimeters for each hourly interval bounded by integral hours of 75° west meridian mean time of the horizontal and vertical intensity traces was carefully scaled, corrected for shrinkage, tabulated on an appropriate form, and independently checked at the observatory. The same applies to the declination trace except that, by the use of a single table appropriate to the measured shrinkage, the average ordinates, measured in millimeters, were corrected for shrinkage and converted to minutes of arc before they were tabulated.

Eschenhagen Declination Variometer

Orientation of magnet.--Torsion observations from time to time and tests made in 1935 indicated that the axis of the magnet during the years 1922 to 1935 was parallel to the magnetic meridian as determined in the absolute observatory.

Scale value.--A change of one millimeter on the magnetogram corresponded to a change of 1'.00 in declination, in the years from 1922 through January, 1935, and 0'.993 subsequent to February 1, 1935.

Eschenhagen Horizontal-Intensity Variometer

Orientation of magnet.--Tests made with a large auxiliary magnet in June, 1935, indicated that the axis of the magnet from 1922 through 1935 was sensibly in the magnetic prime vertical; departures from this position were never larger than those due to the effect of temperature on the magnet.

Scale value.--Deflection observations at three distances were made at least once a month during the years 1922 to January, 1935. After February 1, 1935, the deflections were produced by passing appropriate currents through a Helmholtz coil which surrounded the variometer. The scale values obtained from these deflections are given in Table 3, together with computed and adopted values of A.

To obtain the computed values of A, the term B in the scale value equation had the following values: March, 1922, to August 24, 1927, 0.00571; from August 24, 1927, to November 14, 1927, 0.00312; from November 14, 1927, to December 14, 1927, 0.00300; from December 14, 1927, to January 29, 1928, 0.00345; from January 29, 1928, to December 31, 1930, 0.0041; from January 1, 1931, through December, 1935, 0.004. The fourth decimal place was dropped in 1931 because it was not regarded as significant. The frequent changes in the value of B between August, 1927, and January, 1928, were occasioned by the installation and adjustment of temperature-compensation control magnets. Values of B were used with appropriate values of h, the ordinate of horizontal intensity in millimeters from the base line, and of scale value ϵ_h, in the formula

$$\epsilon_h = A + Bh$$

to determine values of A. In Table 3, it will be noted that only seven major changes occurred in the value of A. These are discussed below in "Scale-value changes."

For the conversion of the horizontal-intensity magnetograph ordinate, in millimeters, to gammas, the formula used was

$$\Delta H = [A+Bh/2]h$$

where h is the ordinate in millimeters from the horizontal intensity base line. The value of horizontal intensity in gammas was obtained from the base-line value plus ΔH, except for the correction for temperature.

Temperature coefficient.--An increase of one degree centigrade in the temperature of the H variometer caused a decrease in the ordinate h corresponding to an apparent decrease in horizontal intensity. For the decrease in horizontal intensity per degree increase in temperature, the value adopted was 14.0 gammas for the period 1922 to August 24, 1927, 7.0 gammas between August 24 and November 14, 1927, 9.0 gammas between

November 14 and December 14, 1927, 4.0 gammas between December 14, 1927, and January 11, 1928, and sensibly zero from January 11, 1928, through 1935.

Scale-value changes.--At 17h on October 14, 1926, the torsion head setting was decreased by 30° to bring the H spot on to the trace.

At 19h on October 15, 1926, the torsion head setting was decreased by 30° to bring the H spot on to the trace.

At 17h on October 22, 1926, the torsion head setting was changed to bring the H spot to a convenient position on the trace after installation of a new Z variometer.

At the following times between August, 1927, and January, 1928, changes of scale value were caused by the installation and adjustment of temperature-compensation control magnets and the necessary changes in torsion head reading: 19h on August 24; 20h on November 14; 21h on December 14; and 15h on January 29.

Eschenhagen Vertical-Intensity Variometer

Because of the small value of the vertical component of the Earth's magnetic force at Huancayo, recording of the vertical intensity with the Eschenhagen balance was subject to very many changes of base line and scale value due to the instability of the magnet-system. In order to improve the recording, a new Z variometer was installed on October 22, 1926, to replace the one previously used.

Horizontality of magnet.--Tests made in 1935 with a large auxiliary magnet indicated that the axis of the Z variometer magnet was out of the horizontal by about 4°.5, the north end of the magnet being depressed by this angle. It was assumed that this condition had prevailed continuously since the new Z variometer was installed in October, 1926. No tests were made prior to this date, but as the magnet was adjusted horizontally on its initial installation early in 1922, it is presumed that it remained so until October, 1926. On May 31, 1935, further tests were made, and the magnet was adjusted to horizontality. Subsequent to this time and until the end of 1935, the mean direction of the axis of the magnet was never so much as one degree from the horizontal; departures of this order are due to the effect of temperature on the magnet.

Scale value.--Deflection observations for the determination of the scale value of the vertical-intensity variometer were made at least once a month during the years 1922 to 1935. The small auxiliary magnet was placed at three distances from the variometer magnet for all scale-value determinations. To correct for distribution effects, the observed scale values at each distance were multiplied by the factor $(1+P/r^2)$ in which r is the deflection-distance in centimeters. The adopted value of the distribution-coefficient P was taken as 60 between March, 1922, and October, 1926, and as 71 from October, 1926, through 1934. In 1935, no value of P was required because scale-value determinations were made only with the Helmholtz coil.

Scale values with Helmholtz coil.--Between April 5 and December 1, 1933 [5,6], vertical intensity scale values were determined monthly with the Helmholtz coil. After December 1, 1933, scale values with the Helmholtz coil were determined three times each week. Throughout 1933 and 1934, monthly determinations with the small auxiliary magnet were made for comparison of the results so obtained with those obtained with the coil method. In addition, monthly scale value determinations were made, using a large auxiliary magnet, between October, 1933, and December, 1934. The results of the three independent methods were satisfactory, and the procedure requiring the use of the auxiliary magnets was abandoned at the end of 1934.

Scale-value tabulations.--Tabulated scale values for all years 1922 to 1935 are shown in Table 4. For the years 1934 and 1935, the adopted scale values are based on determinations with the Helmholtz coil; in all previous years, adopted scale values are based on deflections with the small auxiliary magnet. A summary of the daily scale values obtained in 1935 with the Helmholtz coil is given separately in Table 5 to show the range of values encountered over periods when abrupt changes in value did not occur.

Temperature coefficient.--The vertical-intensity variometer originally installed in 1922 and operated until October, 1926, had no appreciable temperature coefficient. For the variometer which was installed in October, 1926, an increase of temperature of the variometer caused a decrease in the ordinate h corresponding to a decrease in vertical intensity. For the number of gammas decrease per degree centigrade increase in temperature, the value adopted was taken as 8.4 gammas from October 22, 1926, through December, 1935.

Scale-value changes.--As has been stated above, abrupt changes in Z scale value during the years 1922 to 1935 were numerous, totalling 78, and were due to the instability of the magnet-system when the sensitivity was sufficient to record satisfactorily the diurnal changes in the small vertical field. The dates and times of these changes are shown in Table 4, but in view of their number it was not considered profitable to catalog the various causes separately but rather to give a general summary of these changes. Most of the changes in scale value were involuntary or accidental; during scale-value observations when using the small deflecting magnet on the D variometer in a position close to the Z variometer, permanent displacements of the Z variometer would occur, causing a change of the scale value. If this change resulted in a new scale value which was not suitable for satisfactory recording, an adjustment of the sensitivity counterweight above the magnet-system had to be made. As before mentioned, a change of variometers was made in October, 1926, to determine whether the instability of the Z magnet was due to some mechanical defect in the instrument, but the behavior of the second variometer, as evidenced by the frequent changes of base line and scale value after its installation, indicates that this was most probably not the case. To summarize the changes in scale value of the Z variometer: there were four changes during 1922; two during 1923; six during 1924; four during 1925; eight during 1926; five during 1927; four during 1928; four during 1929; one during 1930; one during 1931; five during 1932; and eight during 1933. After December, 1933, scale-value observations were made three times per week, using a Helmholtz coil. This method is much preferable to the method of magnetic deflections as, for one thing, it does not necessitate the presence of the observer near the variometer and also obviates the precarious process of bringing magnets near to the variometers. However, during the remainder of 1933 and throughout 1934, observations were also made once a month using the small deflecting magnet in order to compare the values

obtained by the two methods. It will be noticed from Table 4 that the changes of scale value usually occurred around the middle of each month when the magnetic scale value was made. There were nine changes of scale value during 1934. The scale-value observations during 1935 were made entirely by the coil method, during which time there were 17 changes of scale value, but in general, these changes were small.

ABSOLUTE OBSERVATIONS AND VARIOMETER BASE-LINE VALUES

Determinations of declination.--Observations of declination were made weekly with magnetometer DTM CIW No. 10 in all years from 1922 to 1935. An observation consisted of two sets of measurements, each set involving four readings with the magnet erect and four with the magnet inverted. These readings were preceded and followed by readings on the "mark." A correction of -0'.5 (easterly declination considered positive) was applied to observed values of declination to reduce them to International Magnetic Standard.

Determinations of horizontal intensity.--Observations of horizontal intensity were made weekly throughout the years 1922 to 1935 with magnetometer DTM CIW No. 10. Each observation consisted of two sets, the first with magnets erect and the second with magnets inverted. In the first set, oscillation measurements were made first and then deflection observations at three distances. In the second set, the deflection measurements were made first. A correction was applied to the observed values to reduce them to International Magnetic Standard, as specified in the summary of constants for magnetometer No. 10 dated September 23, 1916. From a consideration of the various comparisons made between magnetometer No. 10 and magnetometers with known corrections and also the measurements of moment of inertia of magnet 10L and its suspension made at various times, the following equation was adopted for the years 1922 to 1935:

$$H_{corr} = +0.00032H + (1920.0-t)0.000027H$$

Values of horizontal intensity given later in various tables for the years 1922 to 1935 are on the basis of this equation for correction to International Magnetic Standard.

Determinations of vertical intensity.--The ordinates of the Eschenhagen horizontal-intensity record and the adopted horizontal-intensity scale values and base-line values were used in conjunction with observed inclination I to obtain "observed" vertical intensity from the equation H tan I. Two sets of inclination observations were usually made on one day of every week with earth inductor DTM CIW No. 5. Each set was composed of four settings with the coil axis vertical and four with the coil axis inclined, all with vertical circle east, followed by four settings with the coil axis vertical, and four with the coil axis inclined, all with vertical circle west. No correction to International Magnetic Standard was necessary for values of inclination obtained with earth inductor No. 5.

Comparison of absolute instruments.--At different times during the years 1922 to 1935, the observatory magnetometer No. 10 and earth inductor No. 5 were subjected to intensive comparison with field instruments sent out from the Department on land surveys; these instruments, upon return to the laboratory in Washington, were compared with International Standard Magnetometer No. 3.

Base-line values.--Tables 6 to 10, inclusive, give the discontinuities of adopted base-line values, the observed base-line values, and the base-line values adopted for the times of absolute observations of the elements D, H, and Z for all years 1922 to 1935. There was no specific rule for interpolating among observed values, such as the ones used by some observatories abroad. Rather, the adopted base-line values were derived from the observed values by careful consideration of the individual values and the monthly means; after 1932, in case of irregularity, the concurrent performance of the la Cour magnetograph was taken into consideration.

In the course of routine base-line computations, comparisons were regularly made between the ordinates used in reducing the absolute observations and those embodied in the tabulations of hourly values, in order to find any systematic disparity such as might readily arise in direct scaling.

Despite the attainment of adequate vertical-intensity base-line values throughout, some difficulty was experienced in keeping the Z variometer in satisfactory working condition, and many changes of adjustment were made, making the conversion of hourly values at times somewhat laborious. In general, the variometer was lacking in stability and only a slight jar was required to alter the position of the magnet.

During the 14 years of recording (1922 to 1935), the average number of abrupt changes each year was 20. Because of this fact, it was thought impractical and inadvisable to enumerate each of the some 300 abrupt changes and the additional smaller ones of one or two gammas. Rather than do this, it was felt that some discussion regarding conditions encountered would serve a more useful purpose.

The great majority of the abrupt changes in the Z trace may be attributed to definite causes. The few exceptions were due probably to unrecorded readjustments and the like. As a rule, the abrupt changes in base line fall under two general classifications, as follows: (1) Those caused directly by adjustments or alterations to variometers, such as the installation of a new Z variometer on October 22, 1926; orientation tests for horizontality of Z magnet on June 1, 1935, and subsequent adjustments for center of gravity and sensitivity; removal of the Z variometer to inspect for presence of insects and cleaning of pivots; adjustment of light source; addition of liquid in drying tube to eliminate insects, and installation of Helmholtz coil for scale value purposes on April 5, 1933. (2) Those caused accidentally, by manipulation of the deflection-bar during scale-value observations, by observers at times of changing trace or of reading temperatures, and by visitors.

At times, even though there had been no readjustment of the variometer, the base-line values showed a progressive change, possibly due to slight error in the adopted value of the temperature coefficient, or to the fact that the temperature coefficient was not quite linear.

The vertical-intensity variometer performed its functions well in some years, notably 1930, 1931, 1932, and 1934, when few changes or adjustments were required, and either the base-line value remained very nearly constant or else small, gradual changes took place. During these four years there were only ten, seven, six, and ten

abrupt changes, respectively. The maximum number of abrupt changes was 40, occurring during the year 1927, when considerable experimental work was carried out in connection with the temperature compensation of the H variometer. During 1922, there were 35 abrupt changes in trace; during 1923, 22; during 1924 and 1925, 24; during 1926, 20; during 1928, 33; during 1929, 20; and during 1935, 33.

Throughout the period of recording from 1922 to 1935, the daily 3-4 hourly value of vertical intensity, which is usually quiet and steady, was utilized for checking and detecting discontinuities in the Z base-line values. These proved of inestimable value. In the few instances where both scale and base values were lacking for short periods of time, the hourly values were obtained either from the la Cour magnetogram, or postulated on the basis of the daily 3-4 hourly value.

A Helmholtz coil was installed on the Z variometer on April 5, 1933, for the purpose of obtaining scale values electrically. Of the two available methods of calibrating a variometer, that using the Helmholtz coil is to be preferred from the standpoint of accuracy as well as convenience. The dimensions and number of turns of the coil are known, and the only variable--the coil current--can be measured to an accuracy of better than 1 per cent by means of a milliammeter. The effect of temperature is eliminated for all practical purposes, since changes in coil resistance are accounted for in the current reading.

The unique location of the observatory (Huancayo being close to the magnetic equator) possibly may have some bearing on the instability of the Z variometer magnet. There the field is about one-half the intensity of that prevailing at the magnetic poles and is nearly parallel to the surface. The vertical force is very small; in 1922 it was 324γ ($I = +0° 37'$), and it increased to 1130γ ($I = +2° 11'$) by 1935.

At times, spiders or other insects were suspected in connection with the erratic behavior of the Z variometer. However, in this connection, the variometer was dismantled on several occasions and inspected in daylight, but no trace of spiders or other insects was ever found. The fact that during operation the instrument was tightly sealed also tends to discount this theory.

There is, of course, the possibility that some fundamental mechanical defect existed in the Z variometer, but, if so, it must have been present in both the variometers used during the years 1922 to 1935; this is most improbable.

BASIC HOURLY VALUES AND ASSOCIATED MEANS

Basic results.--Tables numbered 40 to 537 contain hourly values of the magnetic declination, horizontal intensity, and vertical intensity. The values represent the means for successive periods of one hour, the first one for each day being that for the hour commencing at midnight, 75th west meridian mean time. The tabulated values of declination and of vertical intensity are in their algebraic sense, since both easterly declination and vertical intensity at this observatory are positive in the algebraic sense. The values were obtained from the records of the Eschenhagen magnetograph. After 1932, in cases of missing or faulty record from the Eschenhagen magnetograph, the values were filled in or verified from the records of the la Cour magnetograph.

Scalings from the magnetograms, in terms of millimeters of deflection from base line for horizontal and vertical intensity, but converted to degrees and minutes of arc for declination, were made and checked by the observatory staff for the entire period 1922 to 1935. Scale values and base-line values were likewise computed and checked at the observatory. Conversion of scalings in horizontal and vertical intensity to gammas has been made at the laboratory in Washington, after adoption of adjusted scale values and base-line values.

A careful analysis of observed scale values and base lines was made in order that the adopted values might be based upon as long a series of determinations as was consistent with the behavior of the instrument.

The temperature coefficients of the horizontal- and vertical-intensity variometers were obtained from a statistical analysis of the variations in the observed base-line values with temperature.

The hourly mean ordinates of horizontal intensity were converted to gammas, taking account of the variation of scale value with ordinate. Thus if the mean ordinate is h millimeters and the scale value at that ordinate is given by

$$\epsilon_h = A + Bh$$

the value in gammas, uncorrected for temperature, is given by

$$\Delta H = [A + Bh/2]h$$

From a consideration of the vertical intensity diurnal variation curves between October, 1926, and May, 1935, it was found that corrections to the hourly values of vertical intensity were necessary, owing to the fact that during this period the variometer magnet was 4°.5 out of the horizontal, and consequently changes in the value of horizontal intensity affected the recordings of vertical intensity. The tabulated hourly values shown in Tables 40 to 537 are those arrived at after these corrections had been applied.

In order to facilitate the tabulation of basic hourly values and their associated means, convenient rounded figures appear at the top of each tabulation, to which figure the hourly value is to be added. In the tabulations of declination, the appropriate rounded figure was, for the years 1922 and 1923, 8°, and for the years 1924 to 1935, 7°; for horizontal intensity, the figure for 1922 to 1935 was $29{,}000\gamma$; and for vertical intensity the figure was zero for 1922 to 1930, 500γ for 1931 and 1932, and 1000γ for 1933 to 1935.

The maximum and minimum columns on the tabulations of hourly mean values of each of the elements contain the momentary extreme values of the element for each day, together with the 75th west meridian times of their occurrence.

The figures in the "character" column were assigned on the scale of zero, one, and two used in assigning international character-figures, but they refer to calendar days (75th west meridian mean time).

Computed means.--The four lines at the bottom of each table show hourly means for composite days, computed from the individual hourly values tabulated for the various days of the month. The first of the four lines is derived from all the days, the days being taken according

to local of 75th west meridian mean time. The other three lines are derived from selected days as indicated by the check-marks in the columns headed ✻, †, and ‡, the original computations being carried one place further than the results shown. The general average of all the basic values falling in each of the four sets of days is given in the "mean" column.

In the selection of the ten quiet or "least disturbed" days of each month, taken, as in the case of "all days," on 75th west meridian mean time, consultation was held with the Division of Terrestrial Magnetism and Seismology of the United States Coast and Geodetic Survey. The resulting selection was jointly established and was usually identical for the five observatories of the Survey and the two observatories of the Department. An effort was made to avoid days of marked noncyclic change such as usually occur after severe magnetic disturbances.

Selection of five international quiet days and of five international disturbed days was made by the International Commission on Terrestrial Magnetism and Atmospheric Electricity at De Bilt and published in "Caractère magnétique de chaque jour," the selection being based on reports collected from magnetic observatories in all parts of the world. The international quiet and disturbed days begin and end with Greenwich midnight; the check-marks designating these days are on the lines referring to the like-numbered local days. The means are in the same columns, respectively, as the basic values from which they were computed. In the means for the five international quiet days, the upper value for the hour 18-19 (23-24 GMT) and the lower value for the hour 19-20 (0-1 GMT) represent, respectively, means for the last hour of each Greenwich day preceding and the first hour of each Greenwich day following an international quiet day.

On 52 occasions in the years 1922 to 1935, the mean for "all days" does not include all days of the month in all three elements D, H, and Z. Similarly, on 29 occasions, the means for the international quiet and disturbed days do not include five days for each element, the incompleteness of magnetograph record being responsible. In these cases, all available complete days were used in taking the mean for each element, regardless of the number of complete days available in the other two elements for the same period.

SUMMARY OF MONTHLY MEANS

Monthly mean values of D, I, H, X, Y, Z, and F are presented in Tables 11 to 24. Monthly mean values of D, H, and Z are abstracted from the tables of hourly values for all years 1922 to 1935. The monthly mean values of X, Y, F, and I were computed from the monthly mean values of D taken out to 0′.01 and from values of H and Z taken to 0.1γ.

Means are tabulated, below the monthly means in each year, for three groups of four months each and for the year. These were derived directly from the tabulated monthly mean values with which they are associated. The three groups of months, designated by Roman numerals, are: I, January, February, November, December; II, March, April, September, October; III. May, June, July, August.

The monthly mean values for all the elements in each of the four selected groups (all days, ten least disturbed days, etc.) are based on homogeneous data; that is, they are based only on those days in each group on which the records are complete for the three elements D, H, and Z. In those few months where the means which are given at the bottom of the tabulations of hourly mean values are not derived from homogeneous data for all three elements, the monthly mean values were obtained from unpublished means based on homogeneous data.

SUMMARY OF ANNUAL MEANS

A summary of annual mean values of D, I, H, X, Y, Z, and F for the years 1922 to 1935, inclusive, abstracted from the tables of monthly means, appears in Table 25.

MEAN DAILY NONCYCLIC CHANGE

Tables 26 to 39, inclusive, present monthly means of daily noncyclic change in the elements D, H, and Z for the four groups of days (all days, ten selected quiet days, five international quiet, and five international disturbed days) for the years 1922 to 1935. The tabular quantities A and B are defined in the tables; values of A and B were computed from unrounded means of hourly values. The average of A and B gives the monthly mean of the daily noncyclic change taken in the algebraic sense. A comparison of the values A and B provides an estimate of the reliability of the noncyclic change as derived in this way.

The monthly mean values of daily noncyclic change in each of the four groups of days in any month are based on homogeneous data; that is, they are based only on those days in each group on which the records for all three elements D, H, and Z are complete. In those few cases where the means of the three elements published at the bottoms of the respective tabulations of hourly values are not derived from homogeneous data, the monthly means of noncyclic change were obtained from unpublished means based on homogeneous data.

PRINCIPAL MAGNETIC STORMS AND SUDDEN COMMENCEMENTS, 1922-1935

The principal magnetic disturbances recorded on magnetograms at Huancayo in the years 1922 to 1935 are described in the following pages. Quarterly reports of disturbances were prepared by the observatory staff, and this form of presentation has been retained here. Greenwich mean time is used throughout. Outstanding magnetic storms are described in detail. "Sudden commencements" are generally noted, and their magnitude and principal movements are recorded. To be classified as a sudden commencement, a movement must have been preceded by conditions quieter than those which followed, and must have involved an abrupt movement in all three elements, with the outstanding one being an increase in horizontal intensity (H). In many cases the movements in declination (D), and vertical intensity (Z), were very small and were not recorded in detail.

January to March, 1922

March 10.--A small and short disturbance began with a sudden commencement in all three elements at 05h16m on March 10. The traces were slightly disturbed for the ensuing four hours. Ranges: H, 142γ; D, 4'.2; Z, 21γ.

March 14.--A small disturbance began with a small sudden commencement in all three elements at 07h 10m on March 14. The traces were again normal by 20h on March 14. Ranges: H, 245γ; D, 3'.8; Z, 20γ.

April to June, 1922

There were no magnetic disturbances worthy of note in this quarter.

July to September, 1922

No magnetic disturbances worthy of description were found in this quarter.

October to December, 1922

November 14.--A large movement, like a sudden commencement but with no disturbance following, occurred at 15h 32m on November 14 in all three elements. H decreased by 4γ in the course of two minutes and in the next six minutes increased by 63γ.

November 15.--A large wave in all three elements occurred between 15h 14m and 15h 45m on November 15. The maximum was centered at 15h 22m and the minimum at 15h 35m; the range in H was 240γ.

January to March, 1923

January 20.--A small movement in all three elements at 03h and 02m on January 20 was the commencement of a slightly disturbed period which lasted until 07h on January 21. Ranges: H, 332γ; D, 7'.3; Z, 24γ.

March 24.--A small sudden movement in H at 09h 55m on March 24 marked the beginning of a moderately disturbed period which lasted until 24h on March 25. Ranges: H, 279γ; D, 7'.5; Z, 29γ.

April to June, 1923

There were no magnetic disturbances of sufficient importance to merit description in this quarter.

July to September, 1923

September 26.--A moderate disturbance began at 04h 02m on September 26 with a small sudden commencement and ended at 04h on September 28. A notable feature of the disturbance was a very large peak in H having an amplitude of about 150γ centered at 01h 56m on September 27. Ranges: H, 292γ; D, 2'.2; Z, 25γ.

October to December, 1923

There were no magnetic disturbances worthy of note in this quarter.

January to March, 1924

January 2.--At 16h 06m to 16h 08m there was a very sharp wave in H of amplitude (semirange) 12γ. The movement was also shown in the D and Z traces.

January 29.--Storm began at 05h 26m with sudden commencement in all three elements; H increased 33γ in six minutes with no pronounced movements until 14h 30m, after which there were large and rapid movements in all three elements until 03h 30m on January 30. Total range of variations was H, 420γ; D, 5'; and Z, 11γ.

February 3.--At 15h 07m there was a rapid decrease in H of about 80γ, reaching a minimum at 15h 18m and recovering to nearly its former value by 15h 33m; small decreases in D and Z were shown at the same time.

February 16.--There was a storm with sudden commencement at 04h 24m in all three elements with a sudden increase in H of about 23γ also shown in D and Z. After a quiet period until 11h 30m, there were large sweeping movements in H until about 21h. Ranges: H, 106γ; D, 6'; Z, about 26γ.

February 20.--There were large and rapid movements in H (range about 104γ) between 11h 35m and 21h, while D and Z were correspondingly disturbed.

February 21.--There was a large wave in H from 16h 33m to 16h 42m with maximum at 16h 38m about 50γ above average value and with corresponding sharp increases in D and Z at the same time.

March 30.--There were several large movements in H between 13h and 21h, the principal feature being sharply defined waves at the following times: peak at 13h 18m (50γ), bay at 14h 45m (58γ), bay at 15h 33m (33γ), bay at 15h 51m (41γ), and bay at 19h 18m (50γ). There were irregularities in the D and Z traces during the same period.

April to June, 1924

April 6.--There was a comparatively small disturbance which, however, had two outstanding features. The first was the large amplitude of the sudden commencement, at 08h 09m. H increased, in the space of nine minutes, by 25γ. Very small movements were shown over the same period in D and Z, the latter increasing by about 5γ. The second feature was a very sharp wave in H at 16h 39m, the initial increase, occupying about six minutes, being about 54γ. There were small decreases in D and Z over the same period. The disturbance ended at about 20h. The H trace during the disturbance followed roughly the path it would take during a day having the normal diurnal variation.

May 21.--The disturbance began with a sharp wave in H at 05h 57m, the value increasing by 31γ by 06h 03m and decreasing again 18γ by 06h 09m. Small waves, denoting temporary increases in D and Z, occurred simultaneously, with the wave in H. Irregular waves of moderate amplitude were shown in all three elements between 11h, May 21, and 14h, May 22. From 15h to 19h on May 22, the waves were of a different type, being of larger amplitude and shorter period. The largest of these sharp waves had its apex at 15h 51m, the maximum being about 90γ above the average trace and the whole wave occupying 24 minutes of time. From this time, all the elements, by a series of irregular waves, decreased in value, the minimum being passed at about 23h 30m. The elements gradually regained their normal values by 04h on May 24.

June 9.--The main features of this storm were as follows: There was a sudden commencement at 14h 15m with an increase in H of 21γ and small increases in D and Z. Rather small irregular movements occurred until 18h 30m. A quiet period prevailed until 05h on June 10. Gradually increasing activity was shown until 13h, when rapid movements of large amplitude prevailed until 22h, the minimum value of H occurring about 18h, when the H trace was off sheet. After 22h the curves were gradually regaining their normal conditions until 15h on June 11, when a series of leisurely fluctuations occurred, culminating in a very rapid decrease in H of over 130γ at about 23h. This marked the end of the disturbance, the H trace gradually regaining its normal position.

July to September, 1924

July 9.--There was a comparatively small disturbance but marked by sudden commencement at 05h 21m, H increasing in the space of three minutes of time by 25γ. The increase in D was barely perceptible, but Z increased by about 3γ. Moderate fluctuations ensued in all three elements until about 21h, when normal conditions were resumed.

October to December, 1924

October 23-25.--There was a moderate disturbance, the general feature being a decreased value of H extending over a period of about 70 hours, rather than any violent fluctuations. The commencement was indefinite, but a series of leisurely movements began about 05h on October 23. Some brisk movements occurred in H between 20h, October 23, and 02h, October 24, the larger ones being well marked in the D and Z traces. Similar movements occurred between 20h, October 24, and 02h, October 25, and by the end of October 25, the traces had regained their normal positions.

November 19.--A moderate storm of short duration began with a sudden commencement at 09h 58m, marked by a rapid increase in H of 30γ in seven minutes of time, a slight increase in westerly D, and a small but sharp decrease in Z. The range in H was about 163γ, with the maximum at 14h 18m and the minimum at 15h 14m. By 01h, November 20, all three elements had resumed their normal values.

November 24-25.--There was a severe disturbance of short duration beginning at 13h 18m with a marked decrease in all three elements. The commencement in H might be termed sudden, as in the 18 minutes following 13h 18m the value decreased by 68γ. The maximum depression was reached at 17h 54m, when the H trace passed off the lower edge of the sheet for a period of four minutes (>190γ), returning with a rapid increase, followed by a series of slow movements, each of decreasing magnitude, until 01h, November 25, when a steady increase began. At 05h, November 25, all the traces had regained their normal positions.

January to March, 1925

February 7.--Although not strictly to be classed as a "magnetic storm," a movement shown in the trace for February 7 had such sharp features as to render it possible to fix the times fairly accurately and so compare it with possible records obtained at other magnetic observatories. In an otherwise normal day, the value of H at 22h 05m increased rapidly by 25γ, reaching the maximum at 22h 08m when it immediately decreased, reaching a minimum value (range of 61γ) at 22h 17m, then increasing again to resume the normal trace at 22h 24m. The D and Z traces also showed the complete wave, but the exact times were more difficult to assign.

April to June, 1925

June 13.--The only marked disturbance during this quarter was that recorded on June 13, movements of moderate intensity occurring between 05h and 19h. At 04h 55m, there was a fairly sudden rise of about 13γ in H, this movement being shown also in the traces of D and Z. The remainder of the storm consisted of irregular waves with no outstanding features save for a series of short-period oscillations in H between 07h and 08h. Normal conditions were resumed by 03h on June 14.

July to September, 1925

September 21.--During the quarter ending September 30, 1925, the only marked magnetic storm was the sudden commencement at 02h 17m, September 21, in which H increased about 92γ within the space of a minute or two and D and Z showed corresponding sudden commencements.

October to December, 1925

October 22-24.--A period of disturbance extended from October 22 until 18h on October 24, but owing to instrumental adjustments the trace was not sufficiently complete to enable a detailed description of the disturbance to be given.

November 8-10.--A disturbance of moderate intensity began at 17h 23m on November 8 with a rather sudden increase in H. At 19h 22m a gradual decrease of H began and exceeded the lower limits of registration between 23h 20m on November 8, and 04h 17m on November 9. The disturbance ended at about 05h on November 10.

November 14.--A short but brisk disturbance began with a sudden commencement at 13h 50m on November 14 and was followed immediately by very large movements in all elements. The disturbance ended at 22h 30m on November 14.

December 6.--A short period of moderate disturbance extended between 10h and 22h on December 6 with the largest fluctuations occurring between 13h and 17h.

January to March, 1926

January 22-24.--This prolonged disturbance in all three elements began at 15h 36m January 22 with a sudden commencement in H in the form of an increase of 137γ in three minutes. At the same time, D decreased 3′ and Z, 12γ. From the beginning of the storm to 02h January 23, all three elements experienced abrupt increases and decreases. At 02h, January 23, they became more stable, and H was markedly subnormal. During the daylight hours of January 23 and 24, there were numerous bays and peaks in D and Z and elongated saw-tooth formations in H. The ending of the disturbance was indefinite.

January 26-27.--A general disturbance in all three elements began at 15h 31m. In H the beginning was marked by an abrupt increase of 95γ in 11 minutes. The D and Z traces showed various bays and peaks to the end of the storm which occurred at approximately 01h, January 27. The rapidity and magnitude of the H movements made detailed scaling impossible for much of the disturbance.

February 23-24.--Although there was no marked beginning, the elements became disturbed between 16h and 17h, February 23. Numerous small bays and peaks appeared in D and Z and elongated saw-tooth formations in H. The storm continued to 21h, February 24, being of much greater intensity during the daylight hours. Two very large changes in H occurred on February 23, the first between 18h 56m and 19h 17m being an increase of 321γ, and the second, between 20h 01m and 20h 10m, a decrease of 258γ. On February 24, three noteworthy short-period changes of large magnitude occurred between 14h 05m and 15h 56m; from 14h 05m to 14h 17m, H increased 232γ, then decreased 330γ from 15h 20m to 15h 33m, and then increased again 351γ between 15h 40m and 15h 56m.

March 5-6.--The storm began abruptly in all three elements at 10h 04m, March 5, and lasted approximately to 22h, March 5. The disturbance was characterized by bays and peaks in D and Z and by elongated saw-tooth formations in H. On March 6, the three elements were more normal, but apparently they were undergoing the aftereffects of the storm. During the daylight hours of March 5, there were numerous large variations in H. The most prominent of these was a sharp peak between 17h 37m and 17h 57m, with an amplitude of 200γ.

March 9-10. This short but intense storm showed a well-defined beginning at 11h 36m, March 9, in both D and H. There was no distinct beginning in Z. The D and Z traces showed the usual small bays and peaks, and H the rapid saw-tooth formations of large amplitude. The most active period was 14h to 21h on March 9. The storm ended at approximately 05h March 10.

April to June, 1926

April 14.--A disturbance of considerable intensity began on April 14 at 14h 02m, with a sudden commencement. H increased within six minutes of time by about 110γ. High values of H occurred at intervals until 20h, with large fluctuations; within the next hour the force decreased greatly, the spot going beyond the limits of registration and remaining lost, except for brief periods, until 13h on April 15. A series of large fluctuations then brought the spot back to the paper, but the value remained low until the following day, when normal conditions were gradually resumed. The sudden commencement of this storm was also shown in the D and Z traces.

May 3-4.--There was a magnetic storm of only moderate intensity but marked by a distinct sudden commencement at 21h 14m, on May 3. H increased by about 42γ, this change occupying but two minutes of time. Leisurely fluctuations of no great amplitude occurred between this hour and 05h on May 4, and between 13h and 19h on the same day. Shortly after this, the intensity resumed its normal value.

June 1-2.--A disturbance of moderate intensity began with a sudden commencement at 11h 13m on June 1. H increased within three minutes of time by 27γ. After a period of moderate movement covering about three hours, large and rapid fluctuations ensued, continuing until 02h 30m on June 2, when the movements were more leisurely and also decreased in amplitude. The maximum value occurred at 14h 39m on June 1, and the minimum (off sheet) shortly before 01h on June 2.

July to September, 1926

There were no magnetic storms during July and August. There were no very great magnetic disturbances during September, but three periods of moderate disturbance are worthy of brief description.

September 8-9.--The first period commenced at 11h on September 8 and terminated at 09h on September 9. During this time, moderately large and rapid excursions were made by the H trace, the most notable one being a large bay between 15h and 16h on September 8, occupying 33 minutes of time, the minimum (a very sharp point at 15h 43m) being about 194γ less than the values of H before and after the bay.

September 14-17.--The second period of disturbance extended over three days, commencing on September 14 at 08h 45m with a rise in H of about 24γ, this increase occupying seven minutes of time. Moderately large and rapidly varying values of H prevailed during the remainder of the period, representing on the whole a diminished value of the component. The lower limits of registration were exceeded between 21h and 22h on September 15. Normal conditions were resumed by 06h on September 17.

September 19-21.--The third period of disturbance was much like the second but with less definite time of commencement. In this case, the disturbance began about 19h, September 19, and continued to 24h, September 21, the ending being quite abrupt. During the two days of activity, there were moderately large and rapidly varying values of H, with D and Z undergoing only minor fluctuations.

October to December, 1926

October 13-16.--This magnetic storm was of unusual violence. The time of commencement was not easily assigned, but the first movement of note occurred at 11h 36m on October 13, when the H trace showed a sudden increase in that component of 3γ, followed immediately by a more leisurely decrease amounting to about 35γ, this occupying a period of 15 minutes of time. The D trace showed a fairly sudden easterly movement of about one minute of arc at this time, while Z increased slightly but at a slower rate. The next phase occurred at 19h 24m on the same day, when H increased within six minutes of time by 56γ. The D trace showed the typical

sudden westerly movement, and Z the corresponding sudden increase, within the same interval of time. This movement, in fact, might well be considered the true commencement of the disturbance. The traces during the ensuing 22 hours were composed of moderately irregular fluctuations, but followed, in the main, the usual curves of diurnal variation. At 19h on October 14, H began to decrease rapidly, passing off the lower edge of the paper at 22h. At Greenwich midnight, the trace was taken off and developed as usual, and the H spot was returned to the paper by decreasing the torsion of the suspending fiber. From this time, the fluctuations were very rapid and irregular. The maximum violence occurred between 12h and 20h on October 15. At times during this period, the movements of the H magnet were too rapid for definite registration. The D and Z traces, particularly at 14h 15m and 15h 30m on October 15, showed remarkable fluctuations, both as regards rapidity and amplitude. One outstanding variation in H was recorded at 18h 20m on October 15, when the intensity within the ensuing seven minutes decreased by 340γ. At 22h 45m, the H trace again passed the lower limits of registration and was brought into view one hour later by the same means as before. By 04h, on October 16, the traces had resumed their normal character, the value of H, however, being still distinctly subnormal.

October 19.--Between 13h and 19h on October 19, the traces were moderately disturbed, the only feature worthy of mention being a decrease in H of 183γ between 17h 03m and 17h 38m.

January to March, 1927

January 1.--A sudden commencement indicating an increase of 22γ in H began at 08h 47m and ended at 08h 50m. A change of 0'.5 in a westerly direction was shown in D and an increase of 2γ in Z.

January 24.--A sudden commencement (increase) in H of 19γ began at 03h 43m and ended at 03h 48m. A corresponding change in Z at the same time amounted to 2γ. There was also a sudden increase in H of 94γ which began at 23h 39m and ended at 23h 43m. Westerly movement of 0'.7 was shown in D and an increase of 9γ in Z.

January 26.--A sudden increase in H amounting to 36γ began at 01h 55m and ended at 02h 00m. An increase of 3γ was shown in Z at the same time.

April to June, 1927

April 13-15.--A magnetic storm of moderate intensity began at 23h 48m, April 13, with a sudden commencement in all three elements. H increased 54γ almost instantaneously, and D and Z were marked by smaller but conspicuous increases. After the sudden commencement, there was a five-hour period of minor disturbance in all three elements. This was followed by a six-hour period of somewhat rounded peaks and bays of large magnitude. A third phase, or period, began at 11h, April 14, and continued six hours, showing large and rapid perturbations, with the H-trace having large saw-toothed formations. The range of H was greatest during the latter period, being 331γ. The range of Z in this period was 34γ and of D was 8'. The fourth and final period of the storm, from 17h, April 14, to 18h, April 15, a total of 25 hours, was one of subnormal intensity and minor perturbations, probably representing the gradual return to more normal conditions.

July to September, 1927

July 21-22.--A magnetic storm of great intensity began at 21h 04m, July 21, with a sudden commencement in all the elements. H increased 60γ within three minutes, and D and Z made conspicuous but relatively small changes. After the commencement, there was a five-hour period of minor disturbance in all three elements. Then at 02h, on July 22, there began a group of large peaks and bays in H, with the largest change occurring over the period between 03h and 04h, at which time there was a continuous decrease in intensity amounting to 435γ. This was also the greatest intensity-range during the storm. After 08h and until 20h, there were minor peaks and bays, with the end of the period somewhat more disturbed than the beginning and with the trace characterized by a saw-tooth formation. After 20h there was a tendency toward normal variation, although the intensity continued below normal for at least 16 hours.

August 19-21.--A mild magnetic storm began at 11h 55m on August 19, with a small but abrupt change in H and D but with hardly noticeable change in Z. The storm was prominent for duration rather than for large or severe perturbations. From the commencement until 20h on August 20, the usual diurnal variation followed, but with occasional small peaks and bays breaking up the uniform trend. After 20h on August 20, a large decrease in H occurred, with a sharp drop between 22h 13m and 22h 40m of about 130γ. Thereafter the perturbations were more severe, with very low intensity continuing until 05h on August 21. A peak occurred at 08h, resulting from a sharp increase of about 220γ within 15 minutes. Thereafter the intensity rose from a minimum at 12h 30m to the usual diurnal maximum between 15h and 19h, with the latter period exhibiting an abnormal saw-toothed formation. After 19h on August 21, the storm ceased, although the recovery to normal intensity was not complete until approximately 12h on August 23. The disturbances of D and Z were small, with the greatest perturbations occurring between 20h on August 20 and 03h on August 21, between 08h and 10h on August 21, and, to a lesser degree, between 15h and 19h on August 21. A pronounced minimum in Z occurred at 18h on August 20.

August 29-30.--A very mild but prolonged disturbance, hardly to be classed as a storm, began abruptly in H at 00h 00m on August 29, with an increase of 67γ within five minutes. The disturbance began in D and Z at 00h 02m with small but abrupt changes. After the sudden commencement, the usual diurnal variation followed but with minor perturbations which, over occasional periods, gave the H trace a saw-toothed appearance. The general diurnal trend was interrupted for the period 10h to 19h on August 30, a minimum being reached at 12h 51m, the intensity then rising through minor perturbations to a subnormal maximum. After 19h on August 30, there was a return to more quiet conditions, although for several days afterward the intensity was subject to continuous minor disturbances.

September 10.--A magnetic storm of very moderate severity and short duration began at 13h 31m on September 10, with a decrease in H but with no prominent change in D or Z, and continued until 22h 16m on the same day. During the period of the storm, there were two peaks in H (at approximately 18h and 20h) and one bay beginning at 21h 18m, the intensity decreasing 81γ in nine minutes. The H record, throughout the storm interval, had a small saw-toothed formation. The storm occupied the period of

the diurnal maximum. The D and Z records exhibited only minor perturbations.

October to December, 1927

October 10.--A magnetic storm of moderate severity began at 08h 23m on October 10 with marked perturbations in all three elements, H and Z both increasing by small amounts, D decreasing slightly. The storm ended at 22h 20m on the same day. The D and Z records had a saw-toothed formation throughout the storm, otherwise following the usual diurnal trend. The H records likewise essentially followed the usual diurnal trend, but the saw-toothed formation was more pronounced and the fluctuations so rapid at times to prevent recording.

October 12-13.--A magnetic storm of great severity began abruptly at 10h 25m on October 12 in all three elements, the intensity changes being small but prominent. The storm ended at approximately 18h on October 13. From the commencement until 21h on October 12, the H record was characterized by extremely large and rapid saw-toothed perturbations and D and Z by less rapid and smaller, but for those elements at this station, unusually large perturbations. The peaks and bays in H during this storm followed each other at very short intervals. After 21h on October 12 and until after 13h on October 13, the H record showed very minor peaks and bays with the intensity below normal, while D and Z showed occasional small disturbances. Between 13h and 18h on October 13, H was disturbed by three peaks and two bays of moderate severity, while D and Z showed unusual but minor perturbations. The effect of this storm continued for the succeeding two days, the periods of diurnal minimum in H being low.

October 22-24.--A magnetic storm of moderate severity began abruptly at 06h 38m on October 22, with an increase of 102γ in H within two minutes, and with small but prominent increases in D and Z. Within an hour after the commencement, H reached a maximum, thereafter decreasing gradually and continuously until 10h 23m, the decrease being 326γ. D and Z showed small but prominent changes during this interval. From 12h to 16h on October 22, the perturbations in H were so rapid at times to prevent recording, while D and Z showed small saw-toothed perturbations. After 16h on October 22, and until the end of the storm at 05h on October 24, H was characterized by moderately large peaks and bays but no rapid changes, while D and Z showed minor disturbances. The effect of this storm continued to show by low intensity during the diurnal minimum on the succeeding three days.

November 18-19.--A storm of moderate intensity, marked by large bays and peaks without rapid fluctuations, began abruptly in all three elements at 04h 33m, with small increases in H and Z and a small decrease in D. For seven hours after the commencement, the intensities were little disturbed. After 11h, a sudden increase in H occurred, followed at rapid intervals, until 17h, by other large peaks and bays. Thereafter, until 19h on November 19, H was disturbed only by minor peaks and bays in the usual diurnal trend, though the intensity was somewhat below normal, with the exception of a sudden change beginning at 16h 10m on November 19, causing a decrease of 92γ in 21 minutes.

December 12-15.--A storm of moderate severity began abruptly December 12, at 19h 43m, with an increase in H of 56γ within four minutes, and much smaller but prominent increases in D and Z. Thereafter, until 09h on December 13, the elements were disturbed very little. At 12h 39m on December 13, all elements again suddenly became disturbed, H being characterized by very large and moderately rapid fluctuations and D and Z by smaller but very abnormal changes. This phase continued until 06h 14m on December 14. Thereafter, until 10h, the elements were comparatively undisturbed. At 10h, all elements became moderately disturbed, H showing small but rapid peak and bay formations until 15h, when the fluctuations became less rapid. D and Z were only slightly disturbed during this interval. After 15h on December 14 and until 23h on December 15, all elements showed minor disturbances characteristic of the disturbed conditions prevailing through the first half of the month.

December 17-19.--A mild magnetic storm of very brief duration but of prolonged effect began abruptly at 05h 13m on December 17 with small but prominent changes in all three elements. Thereafter, until 13h, the elements were only slightly disturbed. After 13h and until 20h, D and Z showed very minor perturbations and H was disturbed by two moderate peaks and one bay. After 20h on December 17, the larger disturbance ceased, but the effect of this storm was continued until 23h on December 19, as indicated by very low intensity-values in H. At 14h on December 18 there was a sudden decrease of 112γ in H with corresponding abrupt but minor changes in D and Z. After this decrease, the usual diurnal maximum did not occur but was almost entirely absent.

January to March, 1928

March 11.--A short magnetic storm on March 11, beginning at 06h and ending about 17h, was characterized by severe fluctuations in H, but D and Z were also affected. It began by a slow fall in H over about two hours, followed by more rapid and intensive fluctuations which were at their maximum between 08h and 15h. Beginning at 08h 29m, a sharp drop of 140γ in less than five minutes took place, followed by a moderate peak and another deep bay, all badly broken up and irregular. After another high peak subsequent to 12h, a very sharp drop again began at 12h 58m (202γ in six minutes). D also showed this second drop, but the time of commencement was four minutes later, at 13h 02m. The storm died down rapidly after 15h, and after 17h was evident only by a low and somewhat irregular H for several hours. The ranges were: H, 443γ; D, 8′; Z, 33γ.

April to June, 1928

May 10-12.--This prolonged magnetic disturbance, hardly severe enough to class as a storm, began suddenly at 12h 14m on May 10 in all three elements H increasing 71γ in six minutes. There were periods of quiet during the three days of disturbance, but H was subnormal during the whole period, and the fluctuations were marked during the daily maximum. The end of the disturbance was taken as 17h 20m on May 12.

May 27-29.--This magnetic storm of moderate intensity began suddenly at 13h 25m on May 27 with an increase in H of 78γ in seven minutes; D and Z were also affected but less sharply. The H record showed a serrated appearance until approximately 21h 30m, and then during the balance of the storm moderate peaks and bays, usually not more than one per hour. No large or rapid fluctuations were recorded, but H was abnormally

low during the whole storm, which ended at 17h 45m on May 29.

July to September, 1928

July 7-8.--This violent magnetic storm began suddenly at 23h 16m on July 7 in all elements, increasing 295γ in H during the first 12 minutes and decreasing 190γ during the following nine minutes. For the first six hours of the storm, the H record was so badly disturbed that it was impossible to follow it accurately, while D and Z were greatly disturbed, making, for this observatory, rapid and large changes. During this period, the measured large and rapid changes in H gave an average of 31γ per minute. After 11h on July 8, the elements were relatively less disturbed, with only one rapid increase in H of 210γ in seven minutes at 15h 35m. The storm ended rather abruptly on July 8 at 20h 32m but was followed by subnormal intensities for a few days.

August 4-5.--At approximately 12h on August 4, a mild magnetic storm began with a moderate disturbance in H and D, and at 17h 07m there was a sharp increase in H of 79γ in five and one-half minutes. D and Z also showed a slight change at this time, but were only very slightly disturbed during the period of the storm. On August 4, H was only moderately disturbed, but on August 5, beginning at 00h, the intensity was low, and during the daily maximum the trace showed a marked saw-tooth appearance. The disturbance ended rather abruptly at 22h 06m on August 5.

August 25-27.--On August 25 at 22h 35m, there was a small abrupt increase of 21γ in H, and during the early hours of August 26 several moderate slow changes were recorded. During the daily maximum on this day, the trace became very jagged in appearance, but the largest movement was an increase of 69γ in six minutes beginning at 17h 17m. During the early part of August 27, H was unusually low, but the trace was only slightly disturbed. At 06h 45m, it increased 139γ in 34 minutes, almost to the normal value for that time of day, but until the end of the storm at about 21h was in general below normal. D and Z were only slightly disturbed during the storm.

September 7-9.--At 13h 44m on September 7, there was a sharp decrease of 27γ in H followed immediately by an increase of 152γ in a total of six minutes. D and Z showed marked though small increases at the same time and small rapid fluctuations for about eight hours thereafter. H went through large rapid changes during the first hour and a half of the storm, the greatest being a decrease of 151γ in five minutes beginning at 14h 54m This period was followed by about six hours of smaller though equally frequent fluctuations. After 21h on September 7, the changes in all the elements were less frequent and less marked, but there was a moderate disturbance in H during the daily maximum on September 8 and the intensity was subnormal until the end of the storm at 06h on September 9.

September 18-19.--On September 18 at 15h 42m, a magnetic storm began suddenly in all the elements, H showing a rapid decrease of 22γ followed by an increase of 129γ in a total of six minutes. The sharpest part of the storm lasted until about 21h, followed by a period of relative quiet during the night until just before 13h on September 19, when a similarly disturbed period began and lasted until the end of the storm at 20h.

September 24-25.--At 16h 23m on September 24, H showed a rapid increase of 149γ in three minutes, and marked increases were also recorded for D and Z beginning one minute later. Except for the first rapid jump, the storm was mild and only moderate, though rapid changes were recorded by all the elements during the daily maxima of the two days. H was low for a few hours after the end of the storm at about 20h on September 25, but only slightly disturbed.

October to December, 1928

October 18-19.--A violent magnetic storm began suddenly on October 18 at 07h 24m with an increase of 71γ in three minutes in H, and a marked increase in Z and decrease in D. H reached its minimum at 08h 38m and its maximum at 16h 09m on October 18, and during the whole period from the beginning of the storm to the end of the day showed large and rapid fluctuations with sharp peaks and deep bays. The most rapid change was a decrease of 153γ in four minutes, beginning at 08h 34m. D and Z were also severely disturbed, giving a marked saw-tooth trace for both. After 23h 12m on October 18, the disturbance moderated greatly and ended at approximately 04h on October 19, although there were several hours of subnormal H.

October 24-26.--At 17h 50m on October 24, there was a sudden decrease of 18γ in H in one minute followed immediately by an increase of 114γ in four minutes, a total of five minutes. D and Z also showed small changes at this time. The storm which began thus was characterized by sharp, large, and rapid fluctuations in H and small but equally rapid variations in D and Z during the daily maximum period of October 24, 25, and 26, and two deep bays in the H trace during the first four hours of October 25. The largest rapid change occurred on October 24 at 19h 08m, a decrease in H of 312γ in five minutes. The first 12 hours of October 26 were practically normal, and after the end of the storm at approximately 24h of the same day, all the elements gave practically normal traces.

November 10.--A magnetic disturbance lasting only a few hours began at 06h 55m, with an increase of 25γ in H, and was marked by having the minimum at 15h 33m, which is about the usual time for the daily maximum. The Z trace showed practically no abrupt movements, but the D trace was somewhat serrated during the height of the disturbance.

November 11.--A short magnetic disturbance began at 16h 56m, with a 10γ decrease in H, followed immediately by an increase of 100γ in five minutes. The trace was greatly disturbed during the first two hours after the beginning and showed several large and rapid changes. Following this, there was a period of lesser disturbance lasting over two hours, which might ordinarily have passed for less than a storm condition. The D and Z traces were somewhat serrated during the first two hours.

November 17.--A short magnetic disturbance with an abrupt commencement began at 14h 51m with an increase of 125γ in H within 11 minutes. D and Z gave slight increases at the same time. After the first rapid increase, the H trace showed a saw-tooth effect on several moderate peaks and bays, and the D and Z traces showed small rapid fluctuations during the period of the disturbance, which ended rather suddenly after 21h.

January to March, 1929

February 16-19.--Beginning with only a moderate disturbance at 15h 10m on February 16, this storm showed little activity during the night following. On February 17, beginning at about 12h 10m, a much more active period developed. D and Z showed marked variations for about six hours, and the H trace had several large peaks and bays with a minimum at 16h 03m. After 18h, this heavy disturbance diminished and until the end of the storm at 17h on February 19, disturbed conditions were indicated only by somewhat abnormal variations in D and Z and by very low H during the nights of February 17 and 18, and several marked decreases in H during the daily maximum on February 19.

February 26-28.--A magnetic storm began suddenly at 19h 21m on February 26 with an 8γ decrease in H and an immediate increase of 72γ in three minutes, and also a visible increase in D and Z. The storm was characterized by subnormal H over a period of about two days, and by fluctuations in H that were less rapid than are usually recorded at this observatory during a storm. The minimum occurred in the evening of February 27 at 19h 20m. D and Z traces showed moderate fluctuations at various times during the storm, corresponding usually with changes in H. The storm ended rather abruptly during the daily maximum on February 28.

March 11-13.--A severe magnetic storm began at 13h 53m on March 11 with a sharp decrease of 18γ in H and an immediate increase of 193γ in the following four minutes. The D and Z traces also showed distinct increases within the next three or four minutes. The storm was distinguished by rapid but moderate fluctuations in H during the daily maxima of March 11 and 12, and by subnormal H with much slower changes during the rest of the time. D and Z traces showed only moderate fluctuations during the storm, which ended at about 05h on March 13, at which time the H trace became practically normal.

April to June, 1929

There were no sudden commencements or magnetic disturbances recorded during this quarter.

July to September, 1929

July 10.--Beginning with a sudden increase of 64γ in two minutes in H at 11h 35m and a sharp increase in D at about the same time, there was a short magnetic storm on July 10 which was characterized chiefly by large rapid fluctuations in H. The disturbance moderated at about 19h and ended before 23h.

July 14-16.--A prolonged magnetic disturbance, not severe enough to be called a storm except for a few hours during the daily maximum on July 16, began suddenly on July 14 at 16h 32m with a sudden increase of 61γ in four minutes in H, but no marked change in D or Z. There was no great disturbance indicated during the following two days except for low values of H during the nights of July 14 and 15 and for the sharp disturbance during the few hours of the daily maximum on July 16. The disturbance ended about 20h on July 16.

July 31-August 2.--This mild magnetic storm began at 21h 07m on July 31 with an increase of 59γ within five minutes in H, a marked increase of 7γ in Z, and a small but marked decrease in D. Thereafter, until 11h, August 1, only H was markedly disturbed and that only by occasional moderate fluctuations. At exactly 11h, the disturbance in all elements became very marked, with the daily maximum in H replaced by a large depression upon which were superposed moderate but rapid fluctuations. At 21h the disturbance began to moderate, D and Z being then very little disturbed while H increased gradually to normal also at about 06h, August 2.

August 14-15.--A mild magnetic storm began at 12h 27m on August 14 with small but very sudden increases in all three elements. For seven hours D and Z showed rapid, small fluctuations and thereafter were practically undisturbed. H was characterized by like disturbances superimposed upon the normal diurnal change except for two hours from 17h 30m, when three large but temporary decreases followed one another. Following the third decrease, there was an increase of 190γ in 18 minutes; thereafter, though subnormal, there were only slow and small fluctuations with a gradual rise to normal. The time of ending was indefinite, but was taken as approximately 07h on August 15.

October to December, 1929

October 7-8.--At about 09h on October 7, a short magnetic storm of moderate intensity began in all three elements and continued through the day and until about 02h on October 8, though magnetic conditions continued disturbed for over two days more. The only distinctive phenomenon of the storm was the unusually high maximum in H, 390γ above the base line at 15h 46m on October 7.

October 16-17.--At 11h 15m on October 16, a short magnetic storm began with a small sharp increase of 19γ in H which was followed by disturbances in all three elements until the end of the storm at about 02h on October 17. The H trace was characterized during the storm by a marked saw-tooth appearance without large peaks or bays, the maximum occurring at 16h 25m and the minimum at 19h 25m.

January to March, 1930

January 6.--This magnetic disturbance, not of sufficient importance to be called a storm, took place January 6 during the period of the usual daily maximum and was characterized by rather sharp, long, and ragged peaks and bays in the H trace, and by marked though slight variations in D and Z.

February 12-15.--This magnetic storm began rather indefinitely during the early hours of February 12 with slow movements in H, and developed more marked storm characteristics at about 13h with fluctuations that gave a trace with long, rather ragged peaks and bays for several hours, followed after 21h by a long decrease which reached a minimum at 23h 05m. The trace remained subnormal until after 05h on February 13, was practically normal for a while, and then from about 12h to after 20h was again very jagged and irregular. During February 12, the D and Z traces showed only small irregularities, but on February 13 had more marked fluctuations, and a somewhat serrated appearance. This storm ended rather indefinitely in disturbed magnetic conditions on February 14 and 15.

March 11-12.--A mild magnetic storm began on March 11 with a moderate decrease of 83γ in H in a period of 12 minutes, beginning at 14h 36m. D and Z

were only slightly affected, and following this first shift, none of the elements was more than a little disturbed until after 02h on March 12. Then all showed a marked disturbance which came to a maximum during the period from 12h to 19h on the same date, H showing large and rapid changes during this interval. By 21h the storm was ended, but the magnetic conditions remained somewhat disturbed for several days thereafter.

April to June, 1930

May 16-17.--Beginning about 15h, May 16, there was recorded a magnetic disturbance which lasted about 24 hours, but the fluctuations were not sufficiently large nor rapid to warrant calling it a magnetic storm.

June 16-17.--Beginning at about 08h on June 16 and lasting until about 04h on June 17, there was a decided magnetic disturbance, especially between 09h and 15h on June 16, during which time H was especially low. The fluctuations were not rapid.

July to September, 1930

July 9.--A magnetic disturbance, characterized more by the suddenness of its beginning than by the disturbances thereafter, began sharply at 14h 53m on July 9 with an almost instantaneous decrease of 8γ in H followed at once by a steep increase of 127γ in H in about six minutes. The more marked part of the disturbance ended at 22h 09m on July 9, but all the elements were somewhat disturbed for several days thereafter. At the beginning, D increased 2′ in seven minutes, while Z increased by about 3γ in the same interval.

September 18.--A short but severe magnetic storm began at 08h 50m with a small shift in both H and Z. The storm was characterized by sharp, rapid changes in H from about 13h to the end of the storm at about 20h, and by a very large decrease in H which reached its minimum at 13h 54m, 188γ below the H base line. D and Z showed only slight disturbance. The ranges were: H, 377γ; D, 5′.8; Z, 49γ.

October to December, 1930

October 17.--As a large part of the magnetogram was missing because of failure of light, it was not possible to report on the disturbance of this date.

October 25.--A sudden commencement occurred on October 25 with a sharp decrease in H of 165γ in five minutes of time, beginning at 16h 09m.

November 13.--In a sudden commencement on November 13 at 19h 27m, there was a short, rapid increase in H of 20γ, followed immediately by a sharp, rapid increase of 90γ, all taking place within five minutes. There was, however. no disturbance following.

December 3-4.--At 01h 07m on December 3, a severe magnetic storm began with a sudden commencement, with a sharp increase in H of 51γ, and a slight shift in D and Z. The early part of the storm showed only a slight disturbance, but from about 12h the disturbance became very severe in H with such large and rapid changes that there was some difficulty in tracing the paths of the regular and reserve spots on the trace; D and Z were also unusually disturbed for this observatory. This severe phase of the storm broke at about 21h, but the H trace remained exceptionally low until after 10h on December 4.

January to March, 1931

February 13.--There was a short magnetic disturbance on February 13, beginning at 08h 58m, with a rise of 28γ in five minutes in the H trace. The disturbance was characterized by several sharp peaks and bays in H and by marked variations in D and Z. There was no sign of the subnormal H values that usually mark magnetic storms at this observatory, either during the storm or thereafter. The storm ended February 13 at about 22h. The ranges were: H, 140γ; D, 6′; Z, 36γ.

April to June, 1931

There were no sudden commencements or magnetic disturbances recorded during this quarter.

July to September, 1931

No sudden commencements or magnetic disturbances were recorded during this quarter.

October to December, 1931

October 29-30.--A mild magnetic storm was recorded beginning October 29 at 08h 39m. At that time the H trace showed a slow upward trend of 13γ during six minutes; thereafter this element was mildly oscillatory and decreased steadily. At about 11h 50m, large slow movements began and continued until approximately 22h. The storm showed no definite termination, the elements remaining considerably disturbed until 22h on October 30. During the disturbance, D and Z showed some irregularities. The usual maximum in H was entirely obliterated on October 29, but appeared on October 30, though somewhat depressed. The range in H during the storm was 227γ, although over the most disturbed period, from the commencement to 22h on October 29, the range was only 186γ.

January to March, 1932

There were no sudden commencements or magnetic disturbances recorded during this quarter.

April to June, 1932

May 29-30.--A magnetic storm of moderate intensity was recorded during May 29-30. The beginning, which was not very marked, was taken as 11h 27m, and the ending, which was also unmarked by any sharp change, as 19h 47m on May 30. The storm began with a small downward movement of the H trace and then continued as a succession of small bays for nearly two hours. The movements then became larger and slower, in general being in the downward direction, though a maximum was achieved at approximately the normal time. At about 19h a steady decline began, the trace descending well below the base line and remaining so until midnight. A slight recovery occurred then, the trace rising again to the base line, but this was succeeded an hour later by a decline during which the minimum of the storm was reached. This depression lasted for about four hours and then the trace began its return to a position above the base line. After a further three hours during which several large bays were recorded, conditions began to return to normal,

though the traces were still disturbed until the time taken as the end of the storm. Slightly subnormal conditions prevailed the following day. As usual at this station, the major disturbances were recorded on the H trace, though the other elements were disturbed a proportionate amount. The recorded ranges were: H, 292γ; D, 9′; Z, 36γ.

July to September, 1932

July 16.--An unusual feature marked the variations of the elements on July 16. From 12h to 17h, all elements were markedly disturbed, during which period a minimum in H at 14h 17m completely supplanted the usual pronounced rise in H expected at that time. The value of H at 14h 17m was approximately 160γ less than the average July value for that time of day. The range in H on July 16 was 117γ, a value somewhat smaller than normal. The regular variations in D and Z were also appreciably suppressed.

October to December, 1932

December 14.--The magnetic elements were somewhat disturbed for a period of nearly nine hours on December 14. The disturbance began suddenly at about 12h 43m, with small movements in D and Z, while H increased 17γ in the first minute and decreased 111γ in the next four minutes. Another rapid decrease of 53γ took place in H between 12h 58m and 13h 00m, then by 13h 22m, H increased 162γ, followed by another decrease in intensity of 210γ by 13h 46m. Until about 21h 30m there were frequent slight disturbances in H. The ranges were: H, 270γ; D, 9′; Z, 42γ.

January to March, 1933

There were no sudden commencements or magnetic disturbances recorded during this quarter.

April to June, 1933

April 30-May 2.--This storm of moderate intensity began with a sudden commencement in all three elements on April 30 at 16h 27m. By 16h 29m, H had decreased 14γ. From that time until 16h 33m, when the maximum value of the storm was recorded, there was a continual increase in H amounting to 99γ. Slow irregular short-period oscillations marked the H trace up to 21h 18m. The values of H decreased 294γ during this period--approximately three times as rapidly as normal. From 21h to 23h, there was a recovery of 54γ in H which was lost by 00h May 1. For the succeeding 12 hours, which coincided with local night, the traces, though comparatively quiet, were so much more disturbed than usual that it was considered that the same storm was continuing. From 12h 36m until 19h 50m, the storm had a moderately violent recrudescence with large and rapid oscillations in H. In one ten-minute interval there was a change of 218γ, while changes of 100γ in ten minutes were common. The minimum of the storm occurred at 18h 57m when the value was 474γ lower than the maximum. All traces of the storm disappeared by 01h 08m on May 2. The storm range in D was 9′ and in Z, 40γ.

July to September, 1933

There were no sudden commencements or magnetic disturbances recorded during this quarter.

October to December, 1933

There were no sudden commencements or magnetic disturbances recorded during this quarter.

January to March, 1934

March 4-7.--A disturbance, which lasted from March 4 to 7, was not of a very marked nature, the principal characteristic being the rapid oscillatory motions of relatively small amplitude. The disturbance began quietly on March 4 at 10h 20m, with oscillations of small amplitude. As the maximum was approached at 14h, the violence of the motions increased but not so strongly as not to record. The normal minimum was reached by a succession of descending bays at 21h 27m, March 4, and was lower than usual. Disturbed conditions, the principal characteristics of which were lowered ordinates and oscillatory-motions, particularly around the times of maximum and minimum, then persisted until 22h 57m, March 7. The maximum of March 7 was considerably flattened and the minimum thereby obscured.

March 10-11.--This disturbance was a minor one. The traces of March 10 and 11 were irregular and the ordinates slightly depressed, while the maximum of March 10 was somewhat deformed by a sharp drop between 19h 32m and 20h 00m; otherwise, the traces contained nothing of moment.

April to June, 1934

May 18.--A minor disturbance began with small undulations in the H record at 02h 02m on May 18. A sudden increase of about 28γ in H accompanied by an increase of about 5γ in Z, and no perceptible change in D, occurred at 04h 06m. At 12h, H became considerably disturbed, executing large and rapid movements which completely obliterated the normal midday increase in that element until 19h. D and Z exhibited minor irregular movements during this interval. By 20h, the disturbance had completely disappeared.

July to September, 1934

July 3.--A minor disturbance of short duration was recorded July 3 beginning with a marked sudden commencement at 10h 32m, when the H trace moved suddenly upwards, increasing 42γ in five minutes. At the same time, D increased 0′.3, and Z increased 5γ. Oscillations of small amplitude superimposed on slow larger movements then set in and continued until 19h when the disturbance ceased rather abruptly, though slightly disturbed conditions prevailed for the next few days.

July 30.--This moderate disturbance began with a sudden commencement in all three elements at 03h 18m on July 30. The sudden increases in the three elements amounted to 51γ in H, 0′.4 in D, and 7γ in Z. Afterward, H decreased by a series of irregular movements until 07h 10m, when the minimum value of the storm was reached. During the next four hours, there was a series of irregular bays followed by a two-hour period of rapid oscillations. The normal trend of the H curve was resumed at 21h. The D and Z traces were but slightly disturbed.

October to December, 1934

November 7.--A mild disturbance of short duration began at about 01h on November 7, with minor fluctuations of rather long period in H but none perceptible in D or Z. Perturbations in H were rapid and comparatively large between 13h and 18h, there being five bays with from 50γ to 100γ range from crest to trough during that interval, the period of each bay (crest to crest) being about 30 minutes. Rapid, small oscillations were superposed on these bays. D and Z experienced minor perturbations during the same interval, not greatly affecting the general diurnal variation. The end of the disturbance was taken as 23h.

December 1.--A mild disturbance of short duration began with a sudden commencement in all three elements at 04h 56m, with increase in H of 29γ in seven minutes, decrease in D of 0'.3, and increase in Z of 3γ. Following the commencement, oscillations of small amplitude in H were superposed on four bays each of period 50 to 60 minutes, having a range from crest to trough of about 50γ. The disturbance ended at 18h 40m.

December 3-4.--A mild disturbance of considerable duration began with inconspicuous commencement in H at 11h 50m on December 3, followed by minor irregularities of rather long period. Conspicuous features were suppression of the normal diurnal maxima in H on December 3 and 4 and a bay which began at 21h on December 3 and reached a minimum at 02h on December 4, covering a range of 200γ. The recovery was gradual thereafter to the end of the disturbance at 20h on December 4, with values of H much lower than normal. Between 12h and 17h on December 4, there were several bays of period about 30 to 40 minutes (crest to crest) with range of about 50γ from crest to trough. D and Z were but slightly disturbed throughout, the normal diurnal trend being followed.

December 11.--There was a mild and very brief disturbance on December 11 chiefly noteworthy for a sudden commencement in all three elements at 10h 34m, H increasing 29γ in five minutes, D decreasing 0'.6, and Z increasing 3γ. The disturbance of 11 hours' duration was thereafter characterized by numerous bays and peaks in H with changes of 25γ to 50γ in intervals of 20 to 30 minutes, these being superposed upon the normal diurnal maximum. D and Z showed minor perturbations not affecting the diurnal trend.

December 29-30.--This disturbance without conspicuous commencement, which began about 12h, December 29, was notable for a great and almost continuous decrease in H of 360γ from 16h 54m to 20h 50m. Prior to that period, there were a few bays of range 50γ to 100γ; after the period, recovery almost to normal values occurred in about three hours. Thereafter, there was little disturbance in H until 12h, December 30, at which time a series of bays commenced, the bays having ranges of 25γ to 50γ with period of 30 to 40 minutes, completely eliminating the usual daily maximum. These persisted until 19h. D showed minor perturbations during the disturbance, and Z a larger diurnal range than usual, but otherwise normal trend in these elements were maintained.

January to March, 1935

January 27-28.--This storm, of comparatively short duration, was conspicuous not only for a sudden commencement in all three elements, but also for two subsequent and large changes in H. The sudden commencement occurred at 14h 49m, January 27, with an increase, within a period of five minutes, of 105γ in H, and increase of 4γ in Z, and an increase of 2' in D. There followed minor peaks and bays in H, while D and Z were little disturbed, until 18h 17m. Then, in six minutes, H decreased 102γ, Z decreased 3γ, and D first increased 1' and then decreased 2'. Again, from 19h 46m to 19h 50m, there was a sudden decrease in H of 71γ, and of 1' in D, but no effect in Z. Thereafter H, showing various peaks and bays, remained lower than normal for several hours, reaching a minimum at 00h 58m on January 28, then gradually recovering to normal values by 12h. Between 12h and 22h on January 28, various small peaks and bays were superposed on the normal diurnal trend. D and Z were little disturbed subsequent to the second change described above.

February 1-2.--The commencement of this storm was inconspicuous, at about 09h 06m on February 1; in a period of ten minutes, H increased 15γ, while Z increased 2γ, and D showed a very light decrease. Thereafter, H maintained at a steady value for about three hours, followed by a deep bay which persisted from 12h to 15h. After 15h, a tendency was shown to return to a normal trend, but the usual maximum was depressed and showed minor bays and peaks. Beginning with 00h on February 2, instead of the usual more or less steady value of H, the latter increased steadily and quite smoothly until 11h, after which the usual diurnal maximum was replaced by several large peaks and bays, averaging less than normal magnitude. Many of the bays and peaks showed changes of 25γ to 75γ in periods of 10 to 20 minutes. A final deep bay at 19h was followed by rapid recovery to normal conditions by 23h.

February 12-15.--The beginning of this storm was somewhat indefinite, although it was taken as 21h 46m on February 12, when there was a sudden increase in H of 3γ or 4γ. There was no coincident change either in D or Z. After 00h on February 13, and until 11h 30m, H was very irregular, though the bays and peaks were small and of long period. After 11h 30m, the changes in H became more rapid and larger, with several peaks and bays having ranges of 50γ to 100γ, with periods of 30 to 40 minutes. The last peak of this group was followed by a fairly regular decline in H, when, from 18h 18m to 23h 15m, there was a decrease of 212γ. Thereafter for 24 hours, H was somewhat lower than normal and very irregular, although general features of the normal diurnal trend were seen. The storm ended about 05h on February 15. D and Z were quite disturbed throughout the storm, but the diurnal trend in each element was well maintained.

March 1-2.--This disturbance, which began about 09h on March 1, was chiefly noteworthy for the large variations in H during the daylight period from 12h to 19h, on both March 1 and 2. Several bays and peaks of 30- to 40-minute period, having ranges of 50γ to 100γ, occurred on each day during the interval mentioned. D and Z were unusually irregular during the same period. For the other portions of the disturbance, minor fluctuations were superposed on the usual diurnal trend.

March 12-15.--This disturbance appeared to have its beginning with a sudden decrease in H and D and an increase in Z at 16h 37m on March 12. The changes in D and Z at that time were just perceptible, while H changed 23γ in six minutes. For seven hours after the commencement

all three elements were undisturbed; then, after 00h on March 13, some irregularities were shown. H showed fairly large, long-period irregularities in the night hours, and rapid, large ones in the daytime between 12h and 19h on March 13, 14, and 15. Bays and peaks in H in the daylight hours were of 20 to 40 minutes' duration, with ranges of 50γ to 100γ. D and Z showed quite large variations during the daylight hours.

March 30.--This storm, of less than eight hours' duration, was conspicuous for a sudden commencement and a sudden termination in all three elements. At the commencement at 12h 13m on March 30, H increased 47γ in five minutes, Z increased 3γ in two minutes, and D decreased 0'.8 in two minutes. At the termination at 20h, H decreased 71γ in six minutes, Z decreased 3γ, and D decreased 1'.0. During the storm-period, two large peaks and one bay, with a range of 100γ in each, were seen, on which were superposed rapid, minor fluctuations. D and Z were quite irregular, especially in the first half of the storm-period.

April to June, 1935

April 10.--The disturbance, which began at 12h 37m on April 10, was of a minor nature and of short duration, ending at about 21h. It affected the H trace principally, large bays occurring with an approximate period of 30 minutes. The most rapid change was in the ten-minute period beginning at 16h 32m, when H increased 112γ.

May 1-2.--This minor disturbance began with a sudden commencement in all three elements at 12h 46m, May 1. H increased 11γ in two minutes, decreased 5γ in the next minute, and increased 41γ in the following three minutes, then oscillated moderately during the period from 13h to 17h, the maximum value of H occurring at 16h 01m. From 17h to 22h the trace was quiescent after which H decreased 145γ in the last two hours of the day. The minimum value of H occurred at 23h 50m, May 1, and thereafter, until 02h, May 2, H maintained a very low value, showing small, short-period fluctuations, after which there was a slow, smooth recovery to normal value by 12h. D and Z were lower than normal simultaneously with the low values of H between 00h and 03h, May 2.

May 10-11.--This disturbance, which began about 11h on May 10, was chiefly notable for the large, continuous decrease in H between the maximum at 16h 19m on May 10, and the minimum at 01h 03m on May 11, the range being 220γ. H, after the minimum slowly recovered to normal value by about 10h on May 11. D and Z were considerably disturbed throughout the whole period.

May 19.--A brief disturbance occurred on May 19, unimportant except for a sudden commencement at 03h 20m, with an instantaneous increase in H of 6γ, followed by a slow increase of 46γ in 17 minutes. D and Z showed a barely perceptible decrease and increase, respectively, at the commencement. The end of the disturbance, about two hours after the commencement, was followed by a generally disturbed day in all three elements, though diurnal trends were generally maintained.

June 7-11.--A disturbance of four and one-half days' duration began with a conspicuous sudden commencement in all three elements at 12h 12m on June 7. H increased 56γ in four minutes, D first decreased 0'.2 in one minute, then increased 3' in four minutes, and Z increased 5γ in six minutes. Following the commencement, prominent rapid fluctuations were superposed on the diurnal trend until 16, after which D and Z were less affected, while H, commencing at 16h 19m, began a very large steady decrease which continued until 01h 53m, June 8, with a range of 256γ. The minimum in H at 01h 53m, June 8, was the low value for the whole disturbance; the maximum occurred June 11 with a sudden peak at 16h 56m. Recovery in H after the minimum was approximately attained by 10h, June 8, but for three days thereafter there was considerable disturbance. The usual diurnal maxima were largely obliterated June 8 and 9 by large peaks and bays of 20- to 60-minute period having ranges between 50γ and 100γ, while the maximum June 10 was entirely absent, with the trace very ragged. A final series of large peaks and bays, superposed on the diurnal trend, between 13h and 20h, June 11, marked the termination of the storm.

June 18-21.--A mild disturbance of three days' duration, with inconspicuous commencement at about 01h, June 18, was chiefly noteworthy for the deep bay in H between 16h, June 18, and 06h, June 19. The range from crest to trough was 165γ. On the bay were superposed minor peaks and bays of 25γ to 50γ range, with periods of 10 to 30 minutes. Before and after the large bay, H showed minor bays and peaks of 50γ to 100γ range, with periods of 30 minutes to two hours. The maximum on each of the three days was lower than normal. D and Z were but little disturbed throughout the disturbance, which ended about 01h on June 21.

July to September, 1935

July 7-9.--A minor disturbance, chiefly important for a sudden commencement in all three elements at 21h 09m on July 7, began with an increase in H of 35γ in five minutes, an increase in Z in the same interval of 5γ, and a decrease in D of 0'.5. Thereafter, minor perturbations were superposed on the normal trend in H until 06h, July 8, at which time a deep bay began which reached a minimum at 12h 28m. Following this bay, the diurnal maximum was greatly depressed. The diurnal maximum on the following day, July 9, was almost completely suppressed, but the remainder of the day showed minor fluctuations superposed on the normal diurnal trend. D and Z, thoughout the disturbance, showed only minor perturbations not greatly affecting the regular diurnal course.

July 24-25.--A minor disturbance, with conspicuous commencement in all three elements, began at 20h 35m on July 24. H first decreased 3γ in one minute, then increased 62γ in three minutes; Z increased 7γ in four minutes; and D decreased 0'.7. Following the commencement, H showed several long-period bays of range about 30γ or 40γ and of duration about two hours from crest to crest, until 12h on July 25. Thereafter, small rapid fluctuations were superposed on a somewhat depressed diurnal maximum. At 15h, following the maximum, H resumed a normal trend. D and Z showed considerable perturbation, though diurnal trends were well maintained.

September 10-12.--This disturbance appeared to begin at 18h 30m on September 10, with a small peak in H and slight gradual increases in D and Z, over a period of ten minutes. Thereafter, H was very irregular, with small, rapid fluctuations superposed on larger peaks and bays. Throughout September 11, all three elements were quite disturbed, although D and Z maintained their general diurnal trends. H was particularly active during the daylight hours of that day, between 13h and 22h. From 06h to 08h on September 12, H was disturbed by several

bays and peaks of long period while D and Z were comparatively quiet. All elements became markedly quiet and smooth at 08h on September 12.

September 23-25.--This disturbance began on September 23 with a sudden commencement at 01h 33m in H and Z but none in D. H increased 10γ in eight minutes and Z increased 2γ in the same period. H thereafter exhibited minor long-period fluctuations until 12h 42m, after which, until 15h 50m, it showed several bays and peaks of 20-minute period with ranges of 50γ to 75γ. D during this period was unusually disturbed, there being several bays and peaks of ranges 4′ to 6′. After 15h 50m, and until the end of the disturbance at 20h on September 25, D and Z were little disturbed. H, however, was unusually low between 20h on September 23 and 03h on September 24, and again between 02h and 09h on September 25. The end of the disturbance was not very definite.

October to December, 1935

October 20-21.--A mild disturbance, which began inconspicuously at about 09h 10m on October 20 with very small perturbations in all three elements, continued with perturbations gradually increasing in magnitude and period up to 13h. Thereafter, H, particularly, showed several large peaks and bays of 50γ to 100γ range, with periods of about one hour from crest to crest, until 20h. D and Z were considerably disturbed also during the period from 13h to 20h. On October 21, large bays and peaks occurred in H during the daylight hours (12h to 21h) while D and Z were little disturbed. The end of the disturbance was not well defined. The ranges recorded were: H, 208γ; D, 9′; Z, 54γ.

October 24.--A brief disturbance on October 24 began with a sudden commencement at 06h 39m in all three elements, H increasing 26γ in four minutes, D decreasing 0′.3, and Z increasing 5γ in the same interval. H thereafter decreased steadily (with very minor fluctuations superposed on the general trend) until 13h 00m, with a drop of 166γ, then increased until 15h 00m with a rise of 191γ, then decreased rapidly 196γ in 42 minutes, and finally returned to approximately normal conditions at 17h 17m in a rise of 142γ. Thereafter, until the indefinite end of the disturbance, only minor fluctuations were found superposed on the generally normal trend. The peak at 15h 00m was the maximum of the day, a bay at 15h 42m being the minimum. D and Z were sufficiently disturbed to affect considerably the usual diurnal trend. The ranges recorded were: H, 196γ; D, 8′; Z, 30γ.

December 24.--At 14h 34m on December 24, a sudden commencement occurred in all three elements, H increasing 21γ in four minutes, and Z increasing 1γ, and D increasing 0′.4 in the same period. For about three hours afterward, H was slightly higher than usual with very minor bays and peaks superposed on the general trend, while D and Z showed minor fluctuations not usually found.

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FIGURES 1-33

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Fig. 1. Map of Peru, showing location of Huancayo Magnetic Observatory

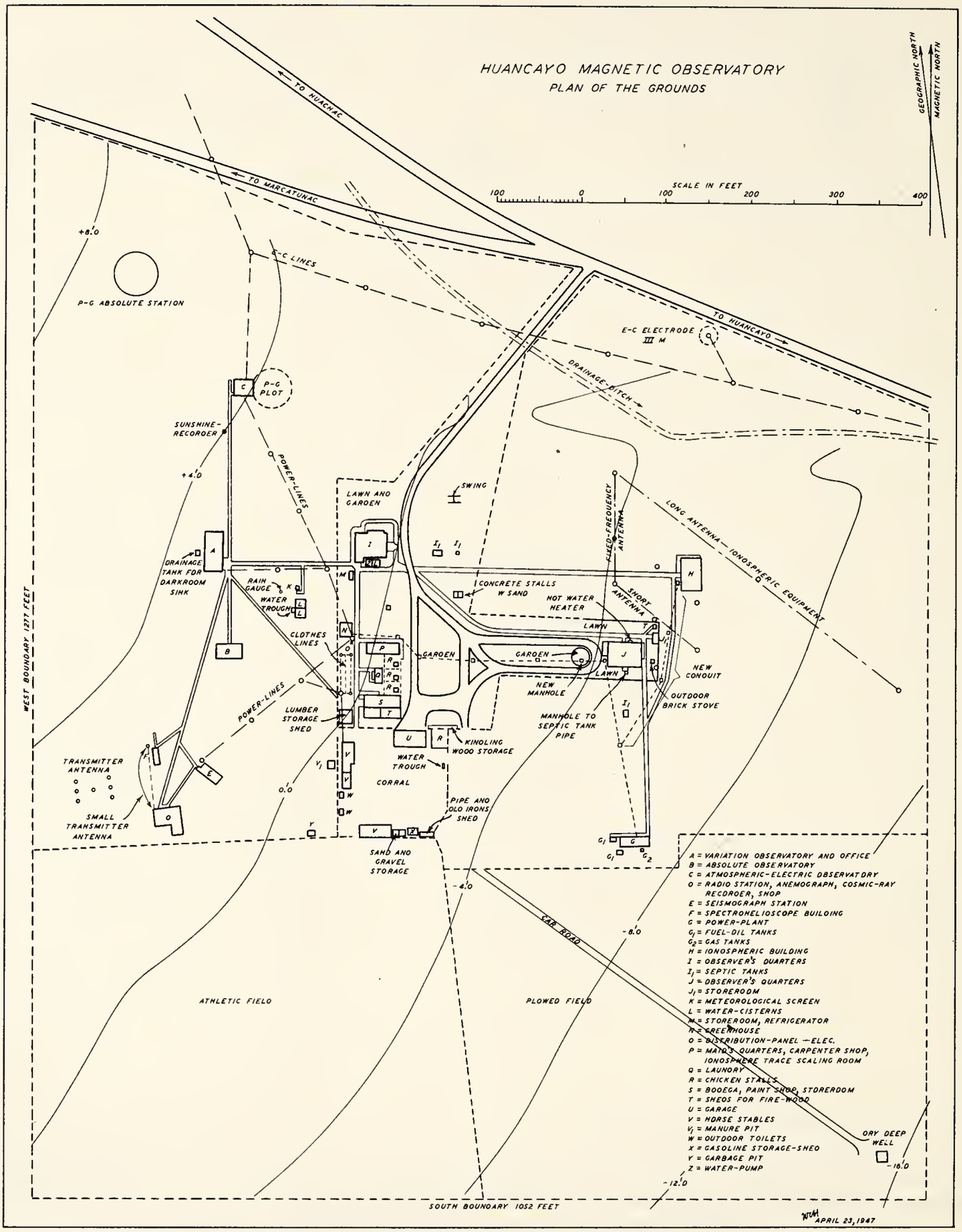

Fig. 2. Huancayo Magnetic Observatory, plan of the grounds

Fig. 3. Aerial view of buildings and grounds from the southeast

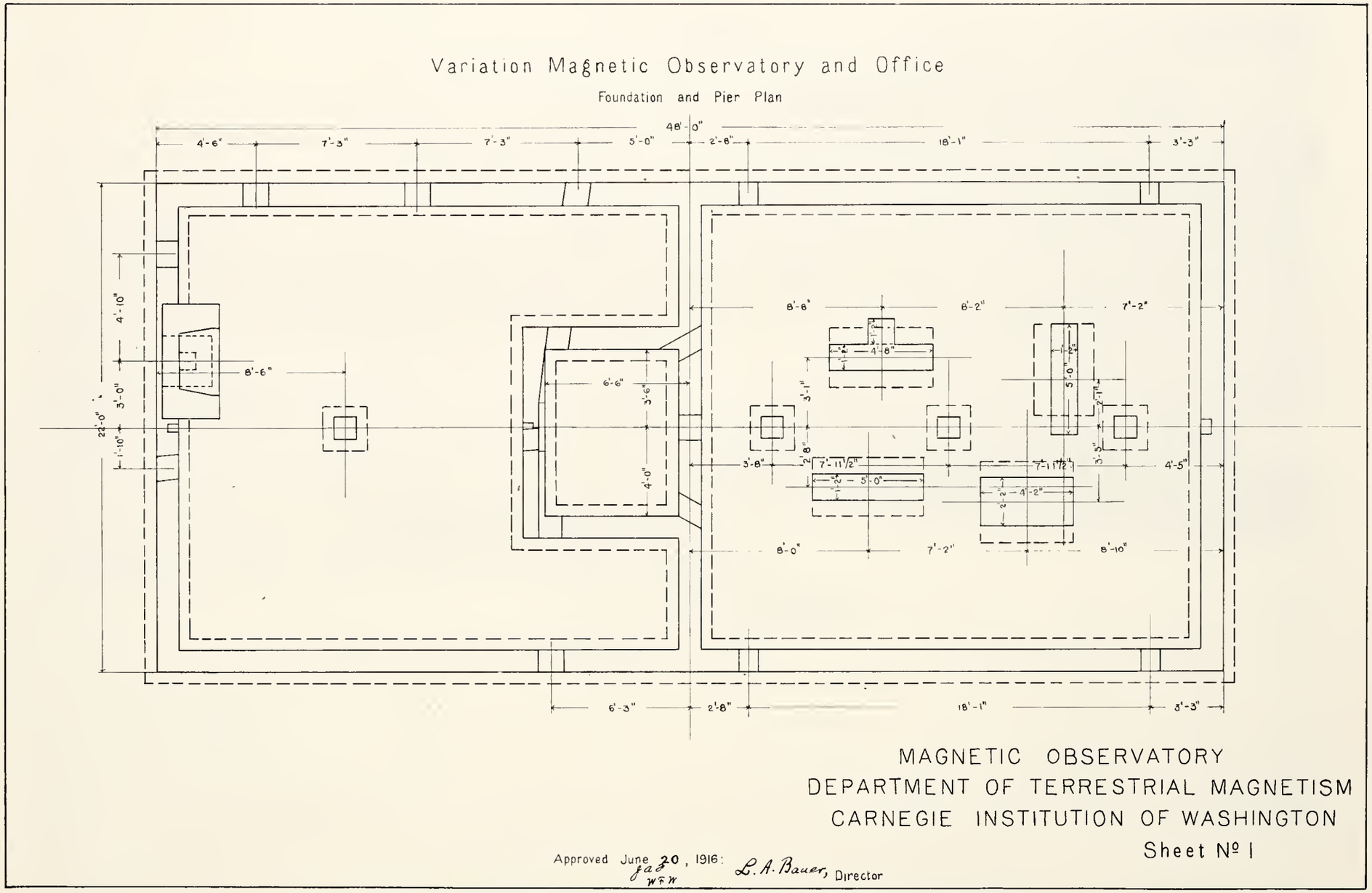

Fig. 4. Variation magnetic observatory and office, foundation and pier plan

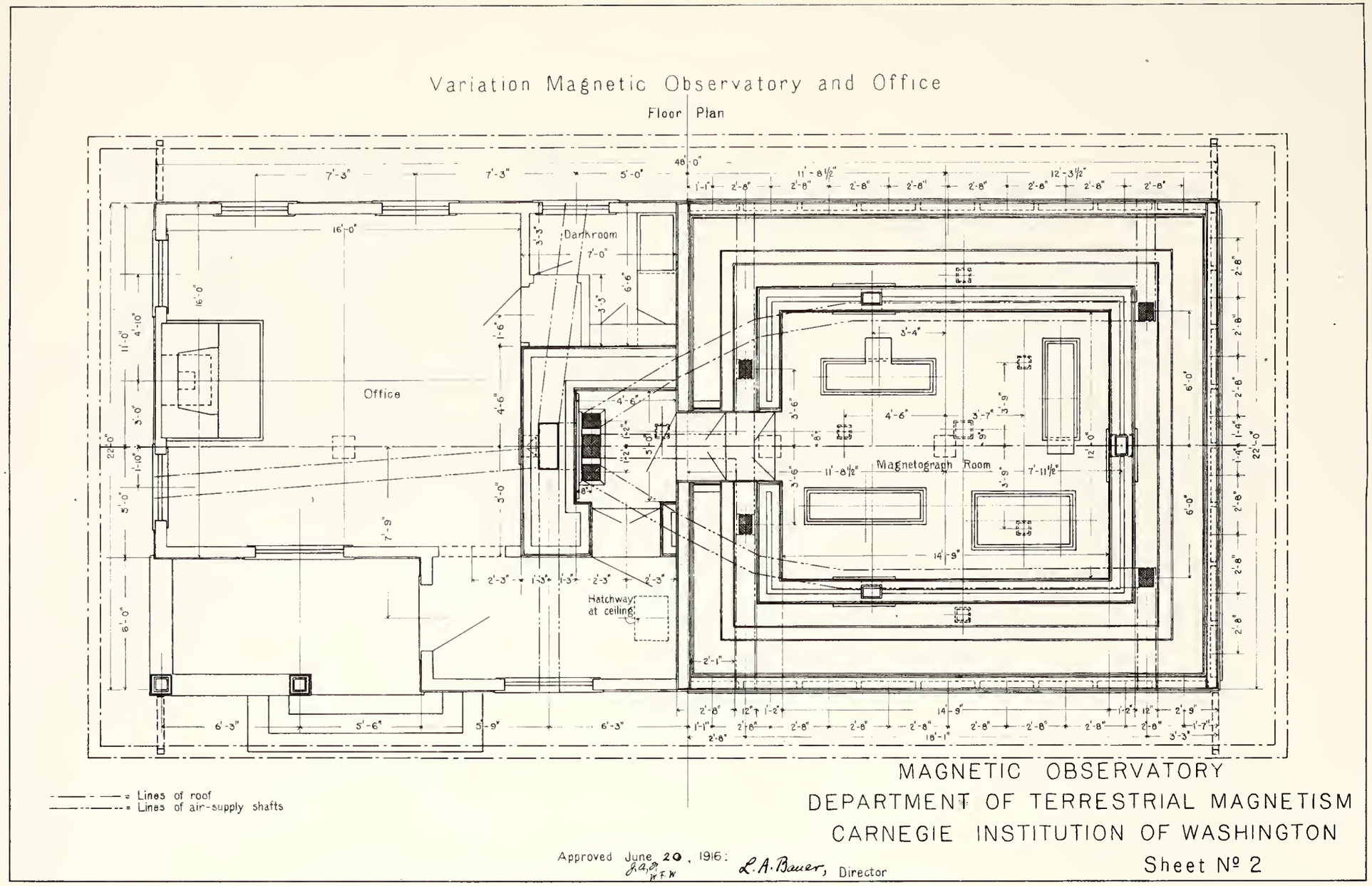

Fig. 5. Variation magnetic observatory and office, floor plan

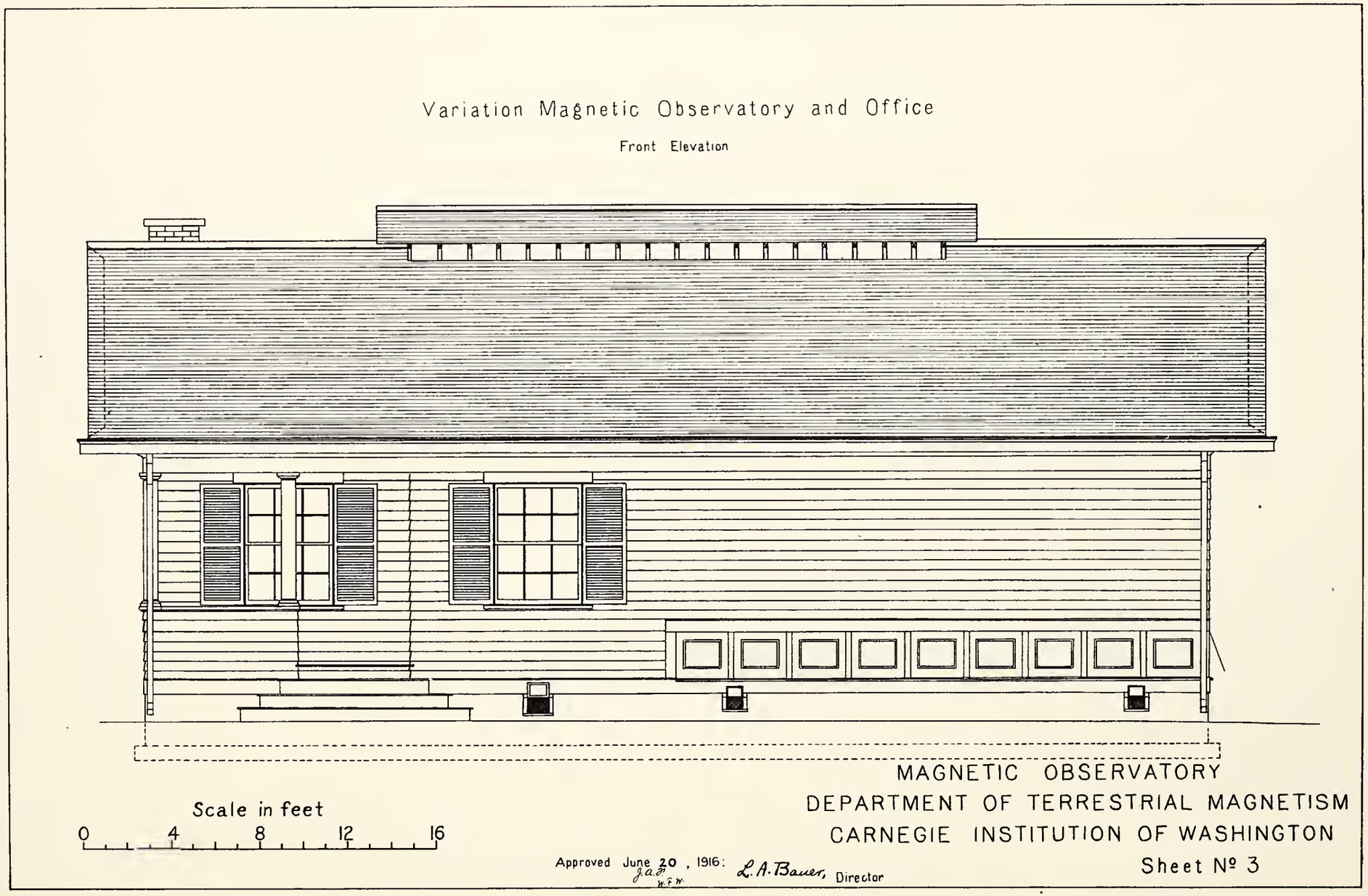

Fig. 6. Variation magnetic observatory and office, front elevation

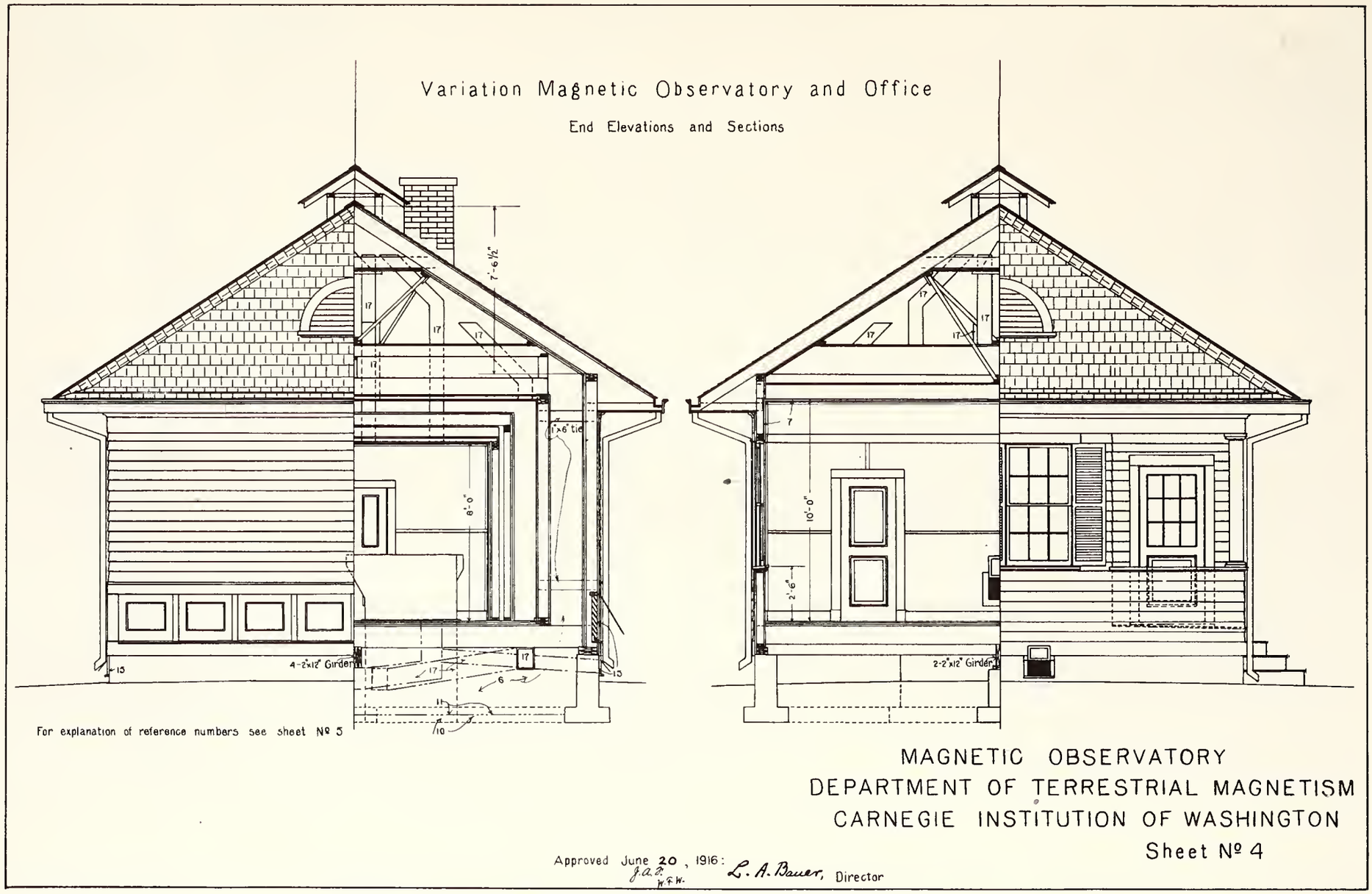

Fig. 7. Variation magnetic observatory and office, end elevations and sections

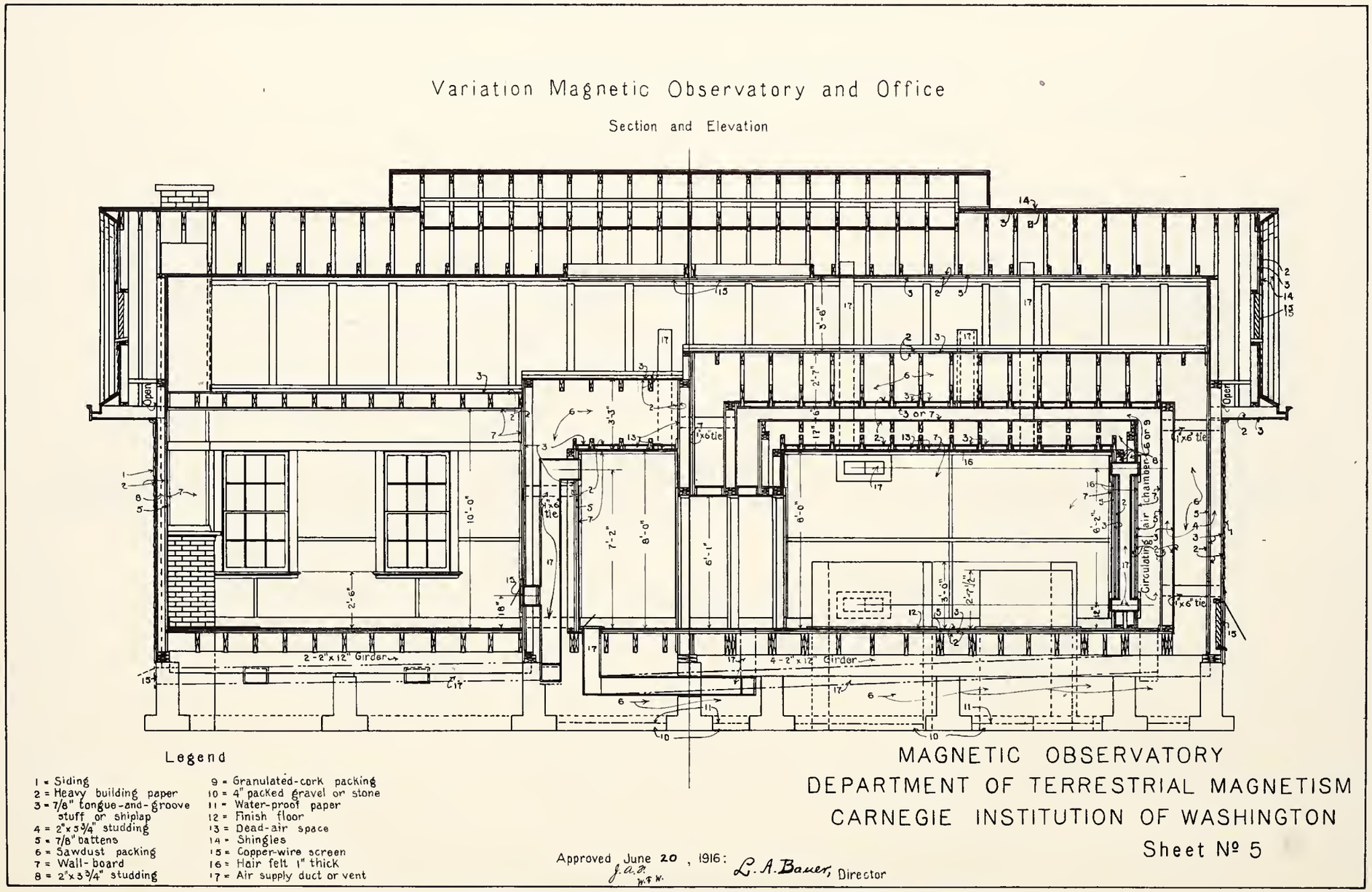

Fig. 8. Variation magnetic observatory and office, section and elevation

Fig. 9. View of variation observatory from the north, with absolute building in background

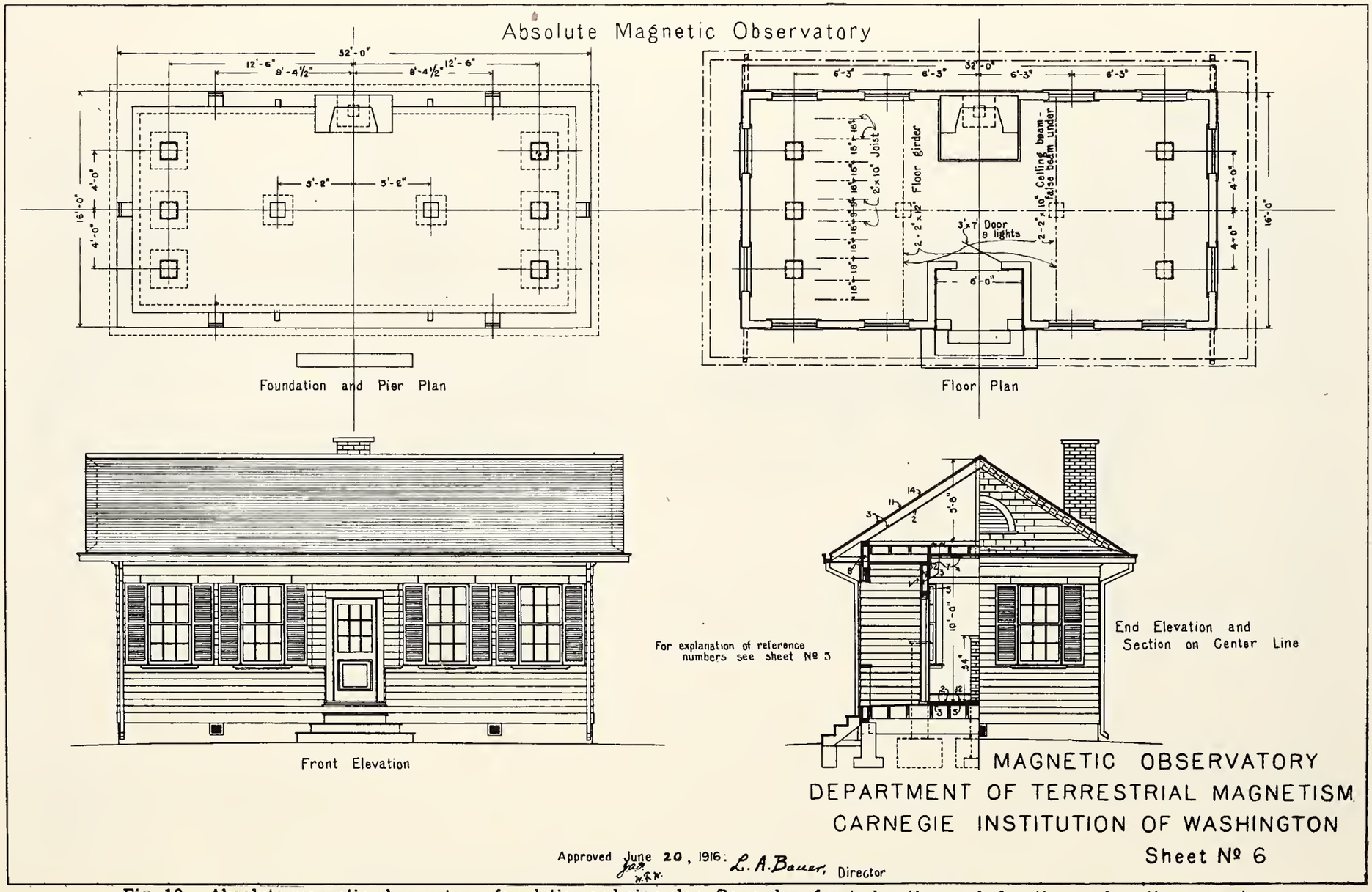

Fig. 10. Absolute magnetic observatory, foundation and pier plan, floor plan, front elevation, end elevation, and section on center line. The fireplace and chimney were eliminated. A galvanometer pier was built in the right-rear corner. The foundation is of 6×6 jarrah posts instead of concrete as shown in Fig. 11

Fig. 11. View of absolute magnetic observatory

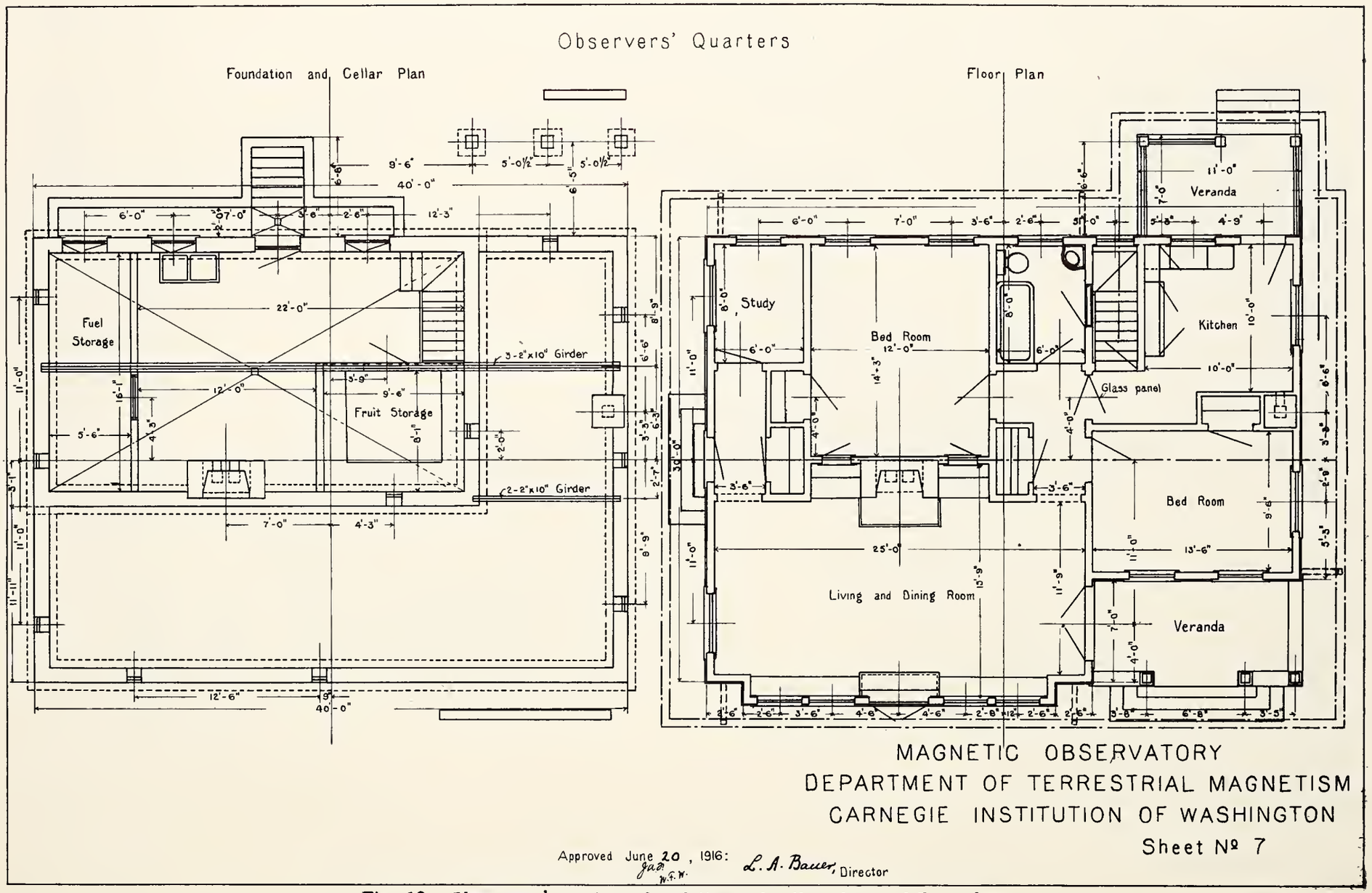

Fig. 12. Observers' quarters, foundation and cellar plan, and floor plan

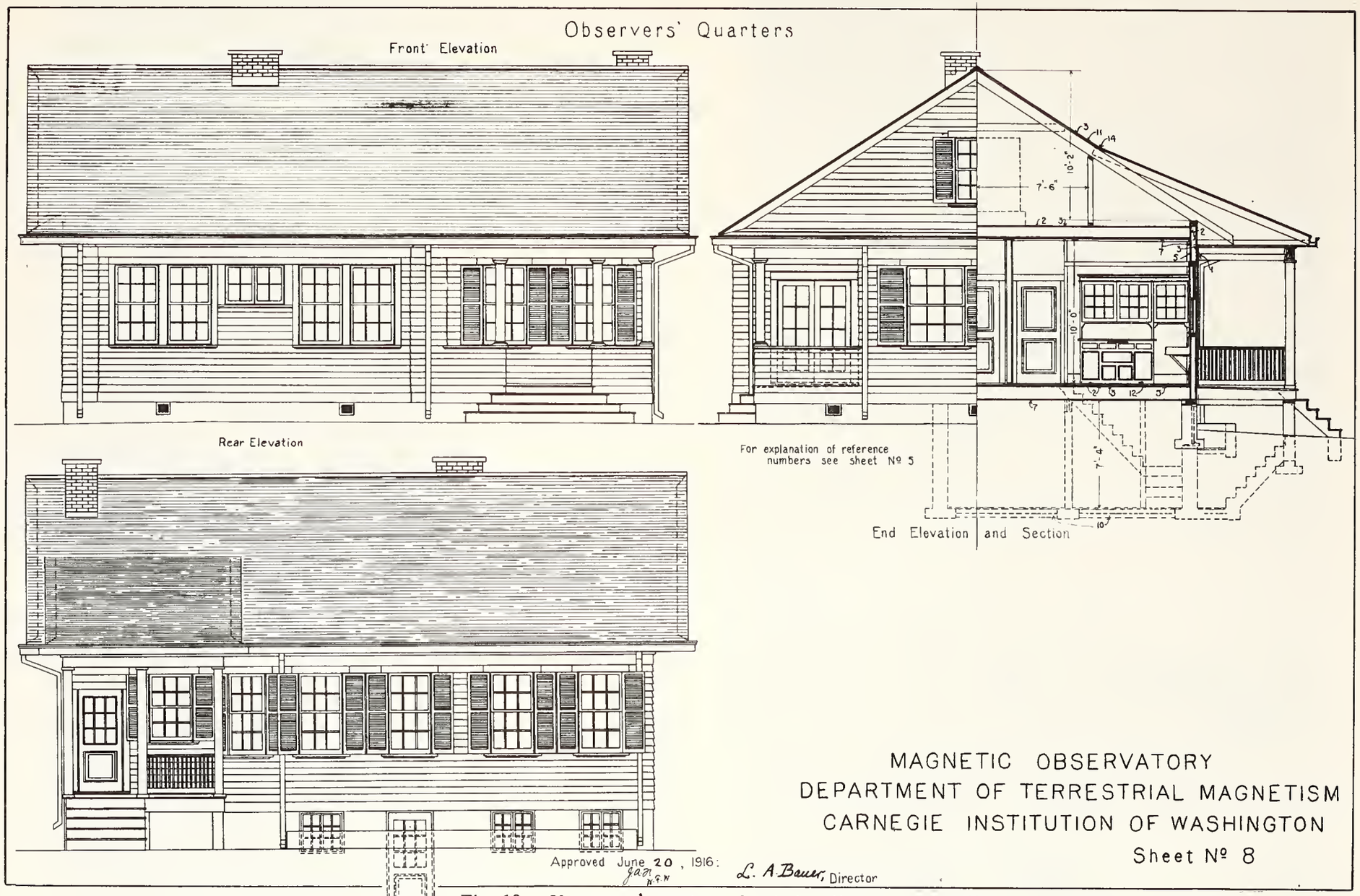

Fig. 13. Observers' quarters, front elevation, rear elevation, end elevation, and section.

Fig. 14. Principal observers' quarters.

Fig. 15. Auxiliary quarters as seen from the west

Fig. 16. Powerhouse and fuel-storage hut as seen from the north

Fig. 17. Seismograph, cosmic ray, and spectrohelioscope buildings viewed from the northwest

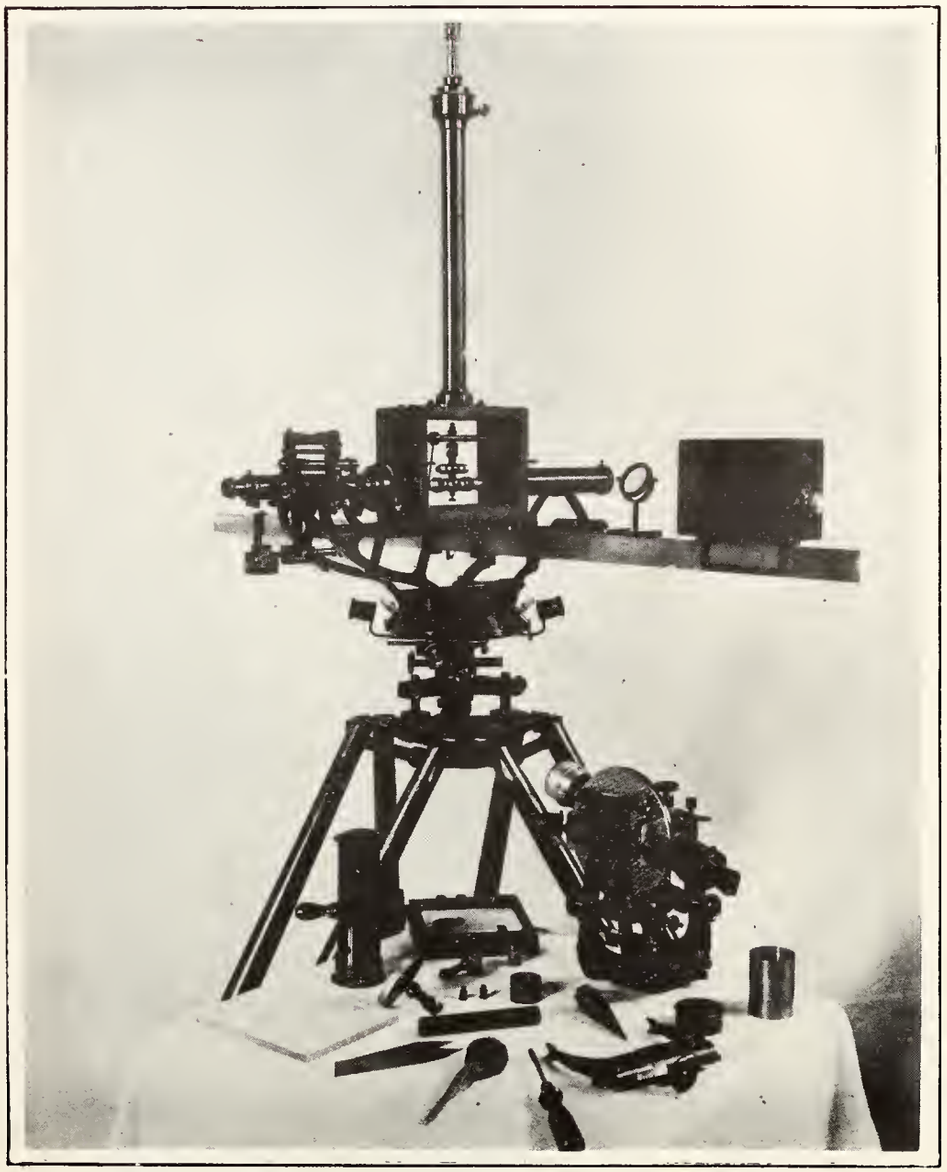

Fig. 18. Theodolite magnetometer, DTM CIW No. 10

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 6

Footscrew A North

MAGNETIC OBSERVATIONS — DECLINATION

Station: E_M, Huancayo — *Date:* Tues., Feb. 17, 1931

Instrument: Mag'r No. 10 — Observer: P. G. L.

Mark: Pillar in field — Chronometer: D 50099

Magnet: 10L — Line of detorsion: 157°

Chron. time		Magnet E or I	Scale Readings Left	Right	Mean
h	m		d	d	d
13	36	E	40.2	41.8	41.00
	37	E	40.2	41.8	41.00
	38	I	58.5	60.0	59.25
	39	I	58.5	60.0	59.25
	40	I	58.6	60.0	59.30
	41	I	58.6	60.0	59.30
	42	E	40.0	41.6	40.80
	43	E	40.0	41.5	40.75

Horizontal Circle Readings		Mark	Magnet
		° ′ ″	° ′ ″
Before	A	174 25 00	174 45 10
	B	25 10	45 10
After	A	174 25 10	174 45 10
	B	25 10	45 10
Mean		174 25 08	174 45 10

	d
Magnet erect, mean scale	40.89
Magnet inverted, mean scale	59.28
Mean scale	50.08

	d
Center scale reading	50.00
Mean scale	50.08
Center minus mean	-0.08
Reduction to center	- 0.1
Circle reading	174 45.2
Mag'c S. M. reading	174 45.1
Mark reading	174 25.1
Azimuth of mark*	+ 7 14.3
True S. M. reading	167 10.8
Magnetic declination	+ 7 34.3
Diurnal variation	
Mean declination	

	h m
Mean chron. time	13 39.5
Chron. corr'n on L. M. T.	- 0.8
~~Local~~ 75° mean time	13 39

Remarks

Torsion weight suspended one week, read 180°

Torsion head
before: 157°
after : 157°

*Counted from South around by West from 0° to 360°

Fig. 19. Form for absolute declination observations and computations

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 9

Footscrew A North

Magnetic Observations

Horizontal Intensity — Oscillations

Station: EM, Huancayo — Date: Tues., Feb. 17, 1931 — Obs'r: P.G.L.

Instrument: Mag'r No. 10 — Magnet: 10L (E)

Chronometer D 50099 daily rate gaining ~~or losing~~ 0.1 sec. on mean time.

Number	Chronometer time (h m s)	Number	Chronometer time (h m s)	Temp. t'	Extreme scale readings d	d	Time of 100 oscillations (m s)
0	13 53 19.2	100	13 59 39.2	16.2	30	70	6 20.0
5	38.3	105	58.1				19.8
10	57.3	110	14 00 17.1				19.8
15	54 16.3	115	36.1				19.8
20	35.3	120	55.2	16.2	34	66	19.9
25	54.3	125	01 14.1				19.8
30	55 13.3	130	33.2				19.9
35	32.2	135	52.1				19.9
40	51.3	140	02 11.1				19.8
45	56 10.3	145	30.1	16.2	37	63	19.8
			13 57.9 − 0.8	16.20			6 19.85

Coefficient of torsion. One div. = 1.51

Tors. circle	Scale		Mean	Diff's.
157	49.5	50.5	50.00	3.85
67	53.3	54.4	53.85	7.90
247	44.9	47.0	45.95	3.90
157	49.2	50.5	49.85	
Mean v = 3.91			= 5.90	

75° ☆ M. T. oscillations: 13 h 57 m (t' − t) = −0.47°

t = 16.67°

Formulæ: $T^2 = T'^2 \left(1+\frac{h}{f}\right)\left(1-(t'-t)q\right)\left(1+\mu\frac{H}{m}\right)$: $mH = \frac{\pi^2 K}{T^2}$

$$\frac{H}{m} = \left[\frac{2\left(1+\frac{P}{r^2}+\cdots\right)}{r^3\left(1+\frac{2\mu}{r^3}\right)}\right]\frac{1}{\sin u} - \frac{C}{\sin u}; \quad \log H = \tfrac{1}{2}\left(\log\frac{H}{m} + \log mH\right)$$

Time of 1 oscil.	3.7985 s	u	13° 57′ 00″	7° 58′ 21″	4° 59′ 41″
Corr'n for rate*	0				
T'	3.7985	log C	6.11584	5.87578	5.67337
Log T'²	1.15922	" Sin u	9.38215	9.14207	8.93984
" $\left(1+\frac{h}{f}\right)$	0.00047	" $\frac{H}{m}$	6.73369	6.73371	6.73353
" $[1-(t'-t)q)]$	0.00007	" mH	2.20965	2.20965	2.20965
" $\left(1+\mu\frac{H}{m}\right)$	0.00084	" H	9.47167	9.47168	9.47159
" T²	1.16060	H	0.29626	0.29626	0.29620
" π^2K	3.37025	log m	2.73798	2.73797	2.73806
		log {1+(t−t₁)q}	−50	−50	−50
" mH	2.20965	log m₁	2.73748	2.73747	2.73756
Constants: Sep. 23, 1916		m₁	546.36	546.35	546.46

Means: m₁ = 546.39 c.g.s.; H 29624 γ at 75° ☆ M. T. 14 h 06 m

* Plus for losing rate and minus for gaining rate.

Fig. 20. Form for oscillation observations in horizontal intensity

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 8

Footscrew A North

Magnetic Observations

Horizontal Intensity — Deflections

Station: EM, Huancayo — Date: Tues., Feb. 17, 1931 — Obs'r: P.G.L.

Instrument: Mag'r No. 10 — Chron. No.: D 50099

Magnet 10L (E) deflecting at right angles to Magnet 10S (E) suspended.

Circle Readings

Magnet	North end	I. Distance r = 25 cm. No.	A	B	Mean	II. Distance r = 30 cm. No.	A	B	Mean
East	E	1	189° 29′ 20″	29′ 10″	29′ 15″	2	183° 28′ 40″	28′ 50″	28′ 45″
	W	6	161 44 40	44 30	44 35	5	167 37 00	37 00	37 00
	Mean	a	175 36 55			c	175 32 52		
	2 u			27 44 40				15 51 45	
West	W	7	161 20 00	20 00	20 00	8	167 24 20	24 30	24 25
	E	12	189 23 20	23 20	23 20	11	183 26 00	26 10	26 05
	Mean	b	175 21 40			d	175 25 15		
	2 u			28 03 20				16 01 40	
Mag. Mer.	$\frac{a+b}{2}$		175 29 18			$\frac{c+d}{2}$	175 29 04		
Mean 2 u				27 54 00				15 56 42	

Circle Readings

Magnet	North end	III. Distance r = 35 cm. No.	A	B	Mean
East	E	3	180° 29′ 40″	29′ 30″	29′ 35″
	W	4	170 32 40	32 30	32 35
	Mean	a	175 31 05		
	2 u			9 57 00	
West	W	9	170 26 40	26 30	26 35
	E	10	180 28 20	28 20	28 20
	Mean	b	175 27 28		
	2 u			10 01 45	
Mag. Mer.	$\frac{a+b}{2}$		175 29 16		
Mean 2 u				9 59 22	

	h m	Temp.
Began at	14 07	16.5
Ended at	14 27	16.7
		16.8
Mean	14 17.0	t = 16.67
Chron. on 75° ☆ M.T.	−0.8	
75° ☆ M. T.	14 16	

Remarks:

Mean Mag. Mer. 175° 29′.2

Fig. 21. Form for deflection observations in horizontal intensity

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 13

Footscrew A North

MAGNETIC OBSERVATIONS: INCLINATION

Station: WM, Huancayo Date: Tues., Feb. 17, 1931 Obs r: P.G.L.

Earth Inductor No. 5 Chron r No. D 50099

Circle East								
Axis Vertical				Axis Inclined				
Coil Face A	Vertical Circle A	Vertical Circle B	Vertical Circle Mean	Chronometer Time	Rotation	Vertical Circle A	Vertical Circle B	Vertical Circle Mean
	° ′	′	° ′	h m		° ′	′	° ′
E	90 01.0	00.6	90 00.80	11 32	+	178 13.7	14.2	178 13.95
W	00.5	00.5	00.50		-	12.1	12.5	12.30
W	00.4	00.5	00.45		-	12.9	13.3	13.10
E	00.6	00.8	00.70	11 35	+	14.5	14.9	14.70
Means			90 00.61	11 33.5				178 13.51
Inclination for Circle East			+1° 47.10′					

Circle West								
Axis Vertical				Axis Inclined				
Coil Face A	Vertical Circle A	Vertical Circle B	Vertical Circle Mean	Chronometer Time	Rotation	Vertical Circle A	Vertical Circle B	Vertical Circle Mean
	° ′	′	° ′	h m		° ′	′	° ′
E	90 01.4	01.1	90 01.25	11 41	+	1 48.9	48.8	1 48.85
W	01.3	00.9	01.10		-	46.5	46.6	46.55
W	01.3	01.0	01.15		-	46.5	46.5	46.50
E	01.4	01.1	01.25	11 44	+	49.3	49.3	49.30
Means			90 01.19	11 42.5				1 47.80
Inclination for Circle West			+1° 46.61′					

Resulting Inclination		+1° 46.86′
	h m	
Mean chronometer time	11 38.0	
Chronometer correction on 75° ~~L~~.M.T	- 0.8	
75° ~~local~~ mean time	11 37	
Remarks.		

Magnetic Meridian or Prime-Vertical	
Compass End	Horizontal Circle
	° ′
North	264 57
South	265 18
South	265 18
North	264 57
Mean horizontal circle	265 08
Magnetic meridian reads	265 08
	85 08

Fig. 23. Form for absolute inclination observations and computations

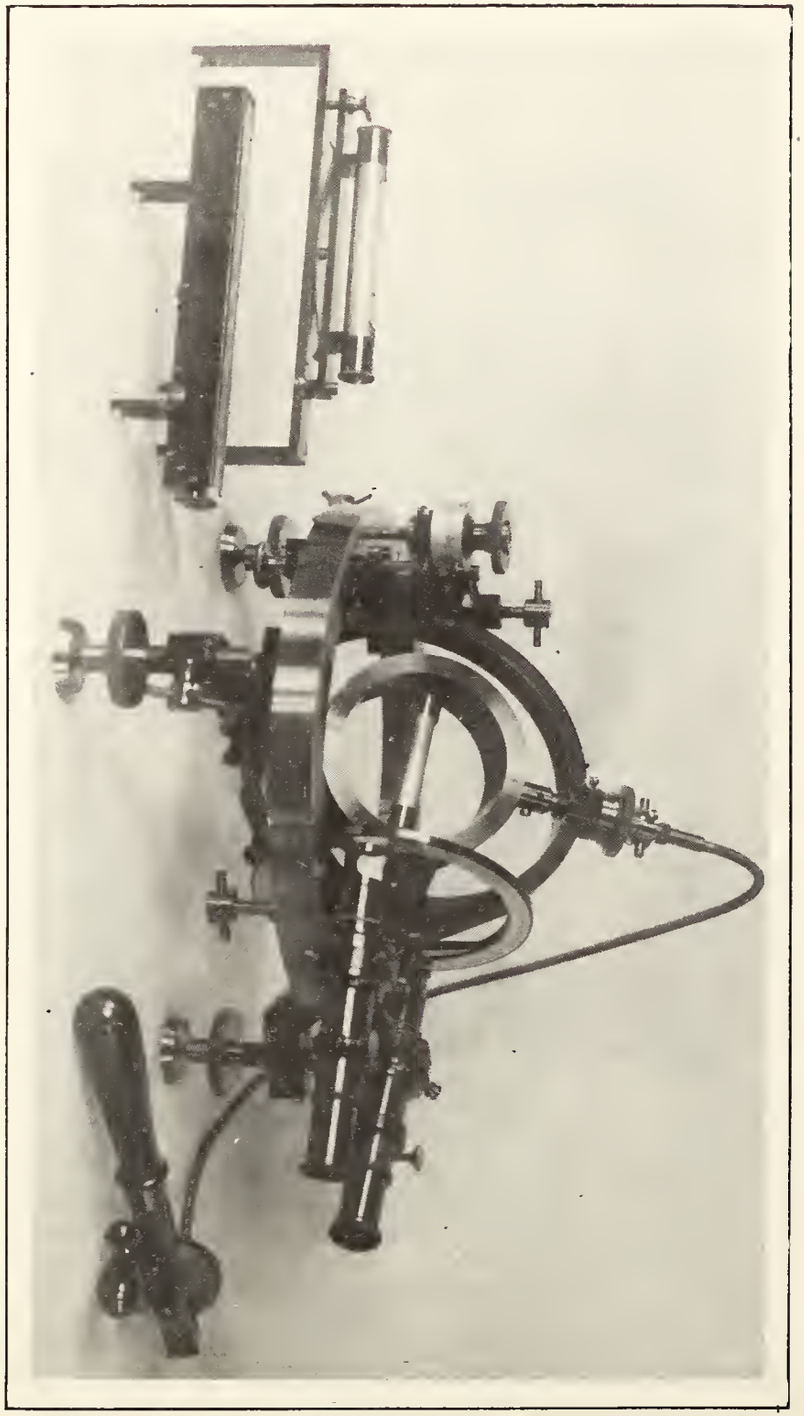

Fig. 22. Earth inductor, DTM CIW No. 5

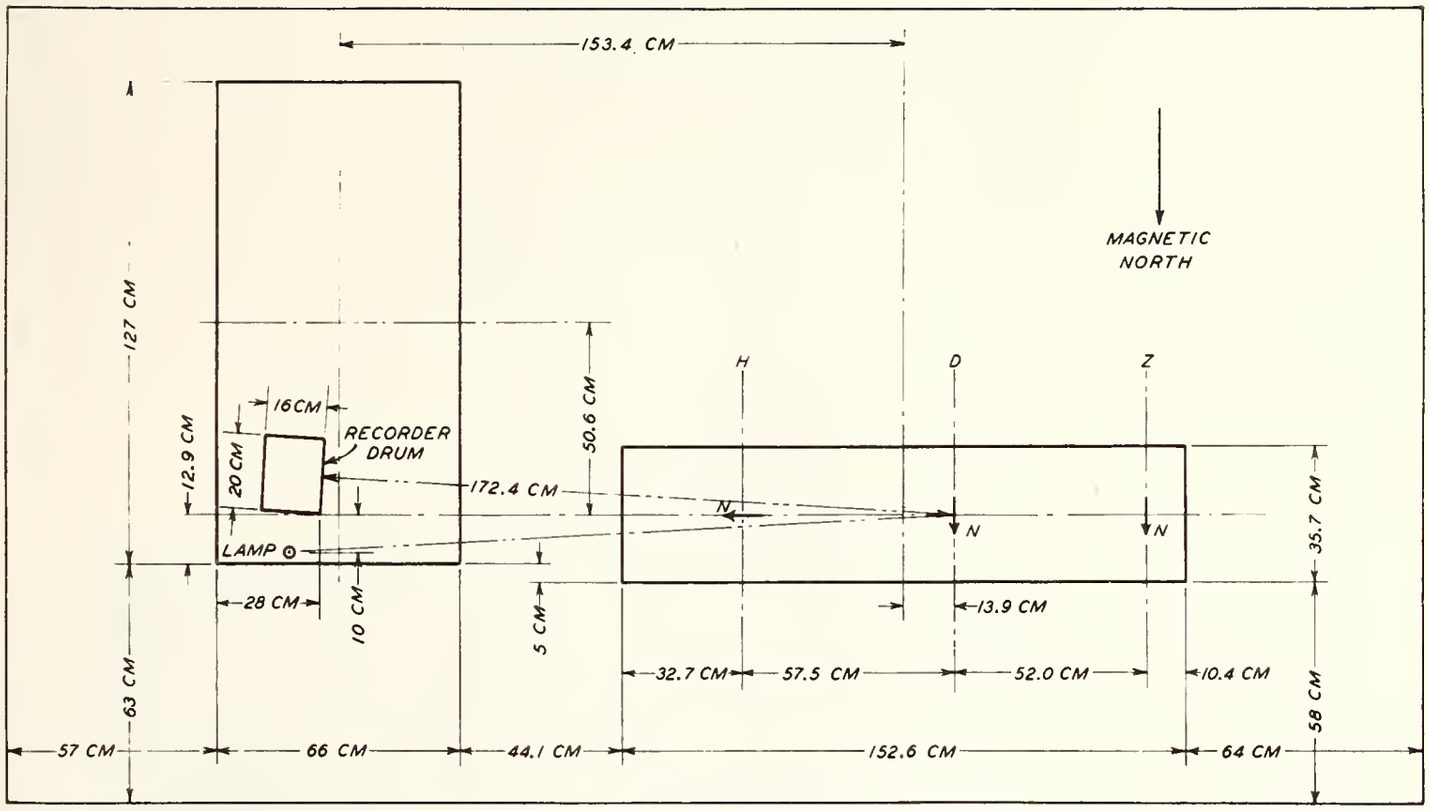

Fig. 24. Diagrammatic arrangement of Eschenhagen magnetograph

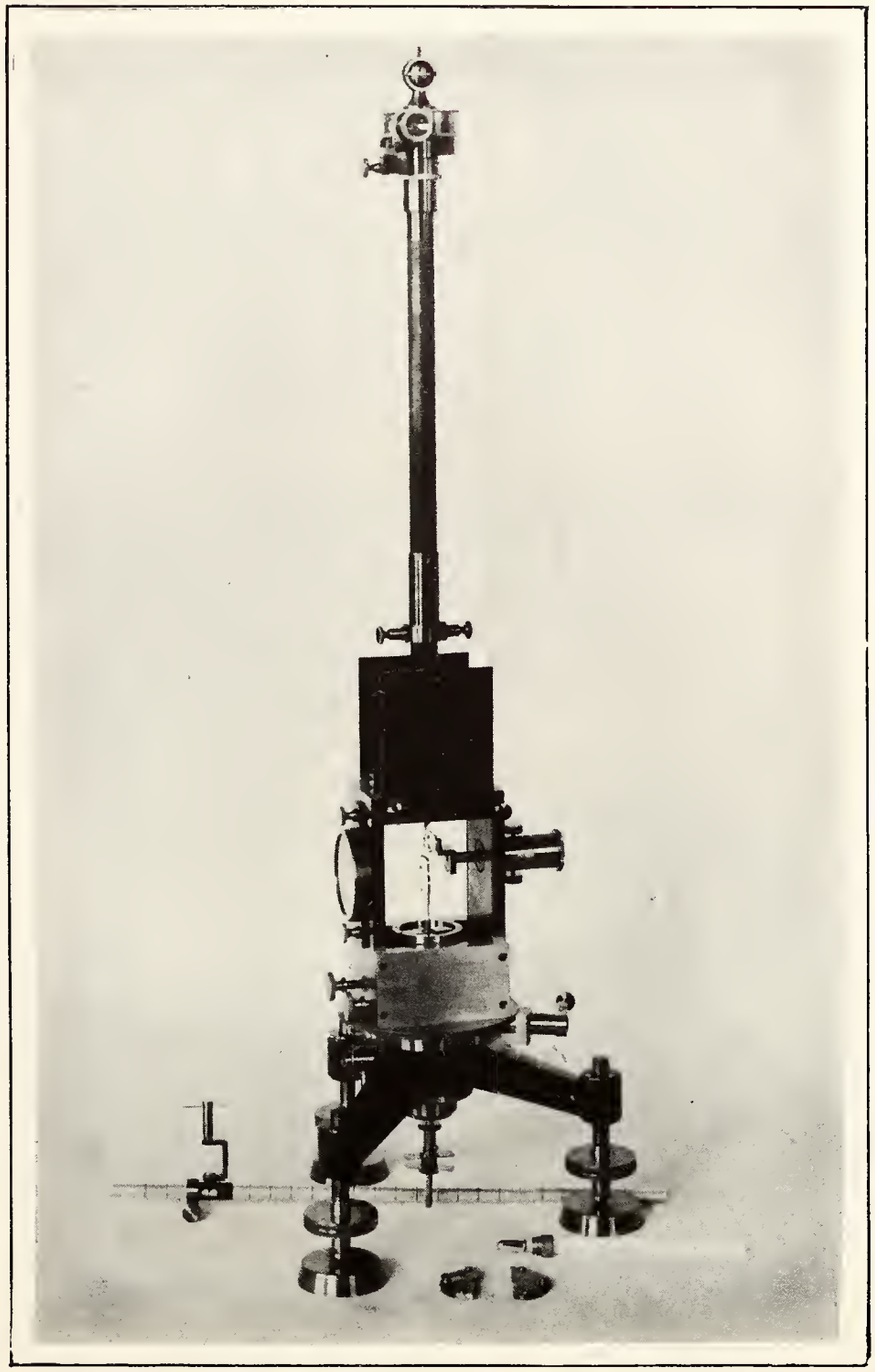

Fig. 25. Declination variometer with magnet suspended

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 126

DECLINATION (D) BASE-LINE DETERMINATION

Observatory: Huancayo Observer: P. G. L.

Magnetograph: No. 2 Magnetometer: No. 10

Date	February 17, 1931					
Mag'r Obs'n	75° M.M.T.	Declination Scaling	° M.M.T.	Declination Scaling	° M.M.T.	Declination Scaling
	h m	′	h m	mm.	h m	mm.
I	13 35	8.9				
	37	8.9				
	40	8.9				
	42	8.9				
II	15 06	9.0				
	08	9.0				
	11	9.0				
	13	9.0				
Mean		9.0				
Date						
I						
II						
Mean						
Computation						
Date	Feb. 17					
ε_d	′	′	′	′	′	′
d	09.0					
D a)	+7° 33′.8	° ′	° ′	° ′	° ′	° ′
D Base	+7 24.8					

Correction on I.M.S. used for magnetometer = −0′.5

a) The value tabulated is the mean of set I (+7° 33′.8) and of set II (+7° 33′.7) corrected to I.M.S.

Fig. 26. Form for declination variometer base-line determinations

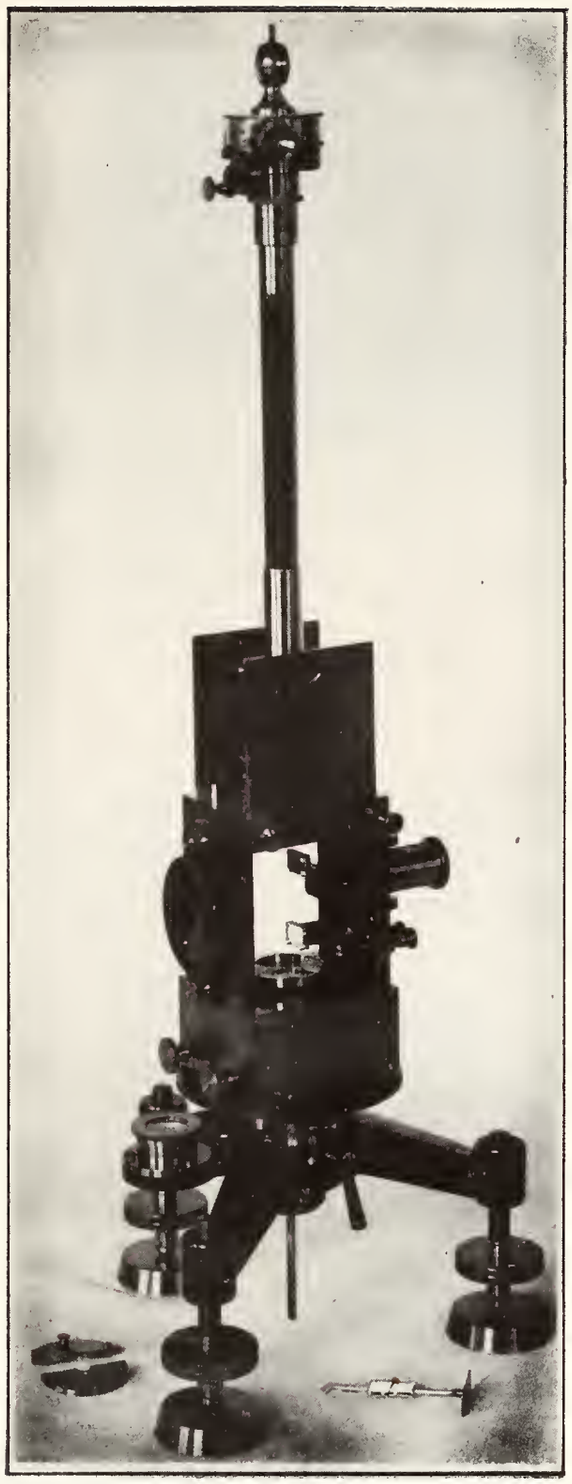

Fig. 27. Horizontal-intensity variometer with magnet-system removed

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 121a

HORIZONTAL-INTENSITY (H) SCALE-VALUE DETERMINATION

Observatory: Huancayo Date: Feb. 17, 1931

Magnetograph: No. 2 Observer: S.E.F.

Instrument	Magnet	North End	I Distance = 27.5 cm. No.	Scaling	Diff.	II Distance = 29 cm. No.	Scaling	Diff.	III Distance = 30 cm. No.	Scaling	Diff.	Remarks
				mm.	mm.		mm.	mm.		mm.	mm.	
D	E	E	1	25.0		4	22.8		5	21.2		
	E	W	2	-9.5	34.5	3	-6.8	29.6	6	-5.4	26.6	
	W	W	12	-9.3	34.8	9	-6.8	29.7	8	-5.3	26.8	
	W	E	11	25.5		10	22.9		7	21.5		
H	N	N	1	134.7		4	125.6		5	121.0		
	N	S	2	13.5	121.2	3	22.9	102.7	6	29.2	91.8	
	S	S	12	19.8	118.1	9	26.3	102.6	8	31.5	90.8	
	S	N	11	137.9		10	128.9		7	122.3		
D	W	W	1	-8.7		4	-6.1		5	-4.8		
	W	E	2	26.0	34.7	3	23.5	29.6	6	21.9	26.7	
	E	E	12	26.1	34.9	9	23.5	29.5	8	22.0	26.7	
	E	W	11	-8.8		10	-6.0		7	-4.7		
D			2 u		34.72	2 u		29.60	2 u		26.70	
H			2 u'		119.65	2 u'		102.65	2 u'		91.30	

Computation

log 2 u	1.540 58	1.471 29	1.426 51	R = 1719.9 mm.
log H	4.472 76	4.472 76	4.472 76	H = 29700 γ
log $\frac{f}{f-h}$	0.000 16	0.000 16	0.000 16	
colog 2 R	6.463 47	6.463 47	6.463 47	
colog 2 u'	7.922 09	7.988 64	8.039 53	
log ε_h	0.399 06	0.396 32	0.402 43	
ε_h	2.506 γ	2.491 γ	2.526 γ	
Mean ε_h	2.508 γ	at h = 76.1 mm	(A = 2.204, B = 0.004)	

Scalings with Magnet Away

Ins.	75° M.M.T.	Scaling	Temp.	Remarks
	h m	mm.	C°	
D	9 30	7.6	17.7	A = ε_h - Bh
D	9 51	7.8	17.9	= 2.19, B = 0.004
R	9 51	76.9	17.9	H base (15°) 29513 γ
H	10 34	82.2	18.0	Δh (79.6 mm) 187 γ
D	10 34	8.5	18.0	H = 29700 γ
D	10 53	8.6	18.0	

Torsion Observations

Torsion Circle	Scaling	Diff.
°	mm.	mm.
Δh = [A + (B/2)h]h		
Mean for °		
Mean for °		

Mean H ordinate = 79.6 mm. = 187 γ. Distance regular to reserve trace = 190.6 mm.

Fig. 28. Form for horizontal intensity scale-value determinations

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 127

HORIZONTAL-INTENSITY (H) BASE-LINE DETERMINATION

Observatory: Huancayo Observer: P. G. L.

Magnetograph: No. 2 Magnetometer: No. 10

Date	February 17, 1931					
Magnetometer Observation	75° M.M.T.	Intensity Scaling	° M.M.T.	Intensity Scaling	° M.M.T.	Intensity Scaling
	h m	mm.	h m	mm.	h m	mm.
Oscillation	13 52	59.9				
	55	59.4				
	13 58	58.8				
	14 02	57.4				
Deflection	14 06	58.2				
	13	58.8				
	19	56.5				
	26	60.4				
Deflection	14 29	60.9				
	36	58.8				
	42	57.4				
	49	57.3				
Oscillation	14 56	57.4				
	14 59	56.3				
	15 02	56.5				
	05	56.9				
Mean		58.2				

Computation

q_h	ε_h	0 γ	A = 2.19 γ, B = 0.004 γ		γ		γ		γ
t_h	h_t	17.9°	0 γ	°			γ	°	γ
Δt_h	Δh	2.9°	134 γ	°			γ	°	γ
h		134 γ					γ		γ
H [a]		29631 γ					γ		γ
H Base (15° C)		29497 γ					γ		γ

Magnetometer constants of Sep. 23, 1916; correction on I.M.S. used = +0.00002H = + 1 γ.

[a] The value tabulated is the mean of the first set of oscillations and deflections (29624 γ) and of the second set of deflections and oscillations (29636 γ) corrected to I.M.S.

Fig. 29. Form for horizontal intensity base-line determinations

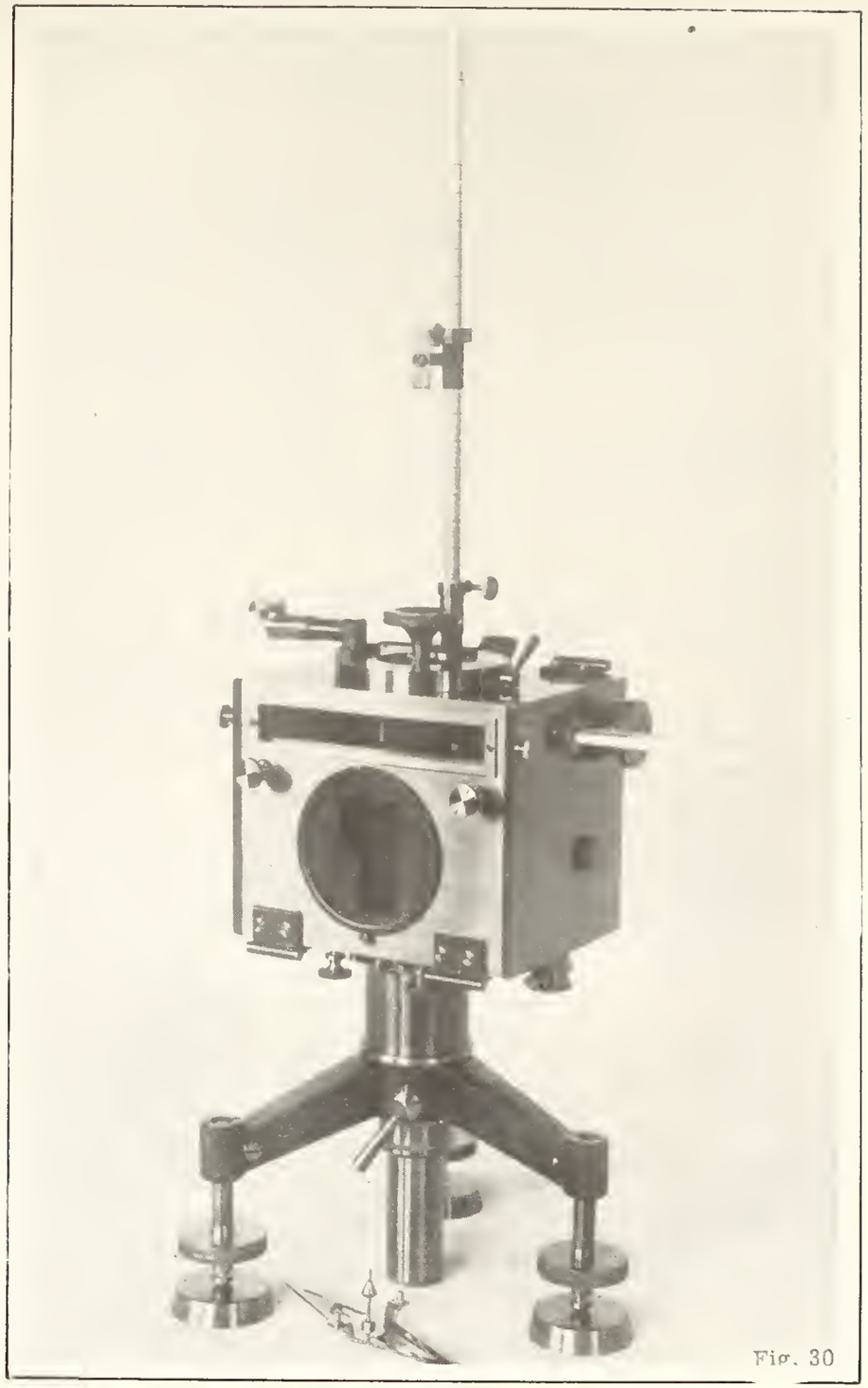

Fig. 30

Fig. 30. Vertical-intensity variometer with scale-value magnet mounted and magnet system removed

Fig. 31. Vertical-intensity variometer with side and top doors open, control magnet and cover dismounted

Fig. 31

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 124a

VERTICAL-INTENSITY (Z) SCALE-VALUE DETERMINATION

Observatory: Huancayo Date: Feb. 17, 1931

Magnetograph: No. 2 Observer: S.E.F.

Instrument	Magnet	North End	I Distance = 27.5 cm. No.	Scaling	Diff.	II Distance = 29 cm. No.	Scaling	Diff.	III Distance = 30 cm. No.	Scaling	Diff.	Remarks
				mm.	mm.		mm.	mm.		mm.	mm.	
D	E	E	1	25.0		4	22.8		5	21.2		
	E	W	2	-9.5	34.5	3	-6.8	29.6	6	-5.4	26.6	
	W	W	12	-9.3	34.8	9	-6.8	29.7	8	-5.3	26.8	
	W	E	11	25.5		10	22.9		7	21.5		
Z	N	U	1	72.2		4	68.1		5	66.2		Note: Owing to size
	N	D	2	27.1	45.1	3	30.1	38.0	6	32.0	34.2	of Z-variometer
	S	D	11	26.7	44.2	10	30.0	37.4	7	32.0	33.7	magnet, distribution
	S	U	12	70.9		9	67.4		8	65.7		of magnetism in it
Z	U	U	1			4			5			must be taken into
	U	D	2			3			6			account (see cor-
D	E	E	1	26.0		4	23.5		5	21.9		rection for P in
	E	W	2	-8.7	34.7	3	-6.1	29.6	6	-4.8	26.7	final value of ε_z)
	W	W	12	-8.8	34.9	9	-6.0	29.5	8	-4.7	26.7	
	W	E	11	26.1		10	23.5		7	22.0		
	D		2u		17.36	2u		14.80	2u		13.35	D defl'ns N and S
	D_1		$2u_1$		34.72	$2u_1$		29.60	$2u_1$		26.70	D defl'ns E and W
	Z		2u'		44.65	2u'		37.70	2u'		33.95	Z deflection magnet N and S
	Z		2u''			2u''			2u''			Z deflection magnet above

Computation

Defl'ns	N and S	Above	N and S	Above	N and S	Above
log 2 u	1.23955		1.17026		1.12548	
log H	4.47284		4.47284		4.47284	
log $\frac{f}{1-\beta}$	0.00016		0.00016		0.00016	
oolog 2 H	6.46347		6.46347		6.46347	
oolog 2 u'	8.350 18	— — —	8.42366	— — —	8.469 16	— — —
oolog 2u''	— — —		— — —		— — —	
log ε_z	0.526 20		0.53039		0.531 11	
ε_z	3.359 γ	γ	3.391 γ	γ	3.397 γ	γ

Mean ε_z 3.382 γ (Corrected for P = 3.672 γ/mm)

R = 1719.9 mm.

H = 29706 γ.

Mean H ordinate = 82.0 mm. = 193 γ $\Delta h = [A + (B/2)h]h$
$= [2.19 + (0.004/2)82.0]82.0$

H base (15°) = 29513 γ

Scalings with Magnet Away

Inst.	M.M.T.	Scaling	Temp.
	h m	mm.	C°
D	9 30	7.6	17.7
D	9 51	7.8	17.9
Z	10 09	48.8	18.0
Z	10 34	48.0	18.0
H	10 34	82.2	18.0
H	10 53	81.7	18.0
D	10 34	8.5	18.0
D	10 53	8.6	18.0

Fig. 32. Form for vertical intensity scale-value determinations

Department of Terrestrial Magnetism
Carnegie Institution of Washington
Form 128

VERTICAL-INTENSITY (Z) BASE-LINE DETERMINATION

Observatory: Huancayo Observer: P.G.L.

Magnetograph: No. 2 Inductor: No. 5

Date	February 17, 1931								
Set	75° M.M.T.	Scalings H	Scalings Z	° M.M.T.	Scalings H	Scalings Z	° M.M.T.	Scalings H	Scalings Z
	h m	mm.	mm.	h m	mm.	mm.	h m	mm.	mm.
I	11 31	99.3	46.8						
	34	97.9	46.5						
	40	94.8	46.2						
	43	91.1	46.1						
II	48	95.3	46.2						
	11 50	91.2	46.3						
	12 04	72.0	47.0						
	07	67.1	47.1						
Means		88.6	46.5						

Computation

q_h	ε_h	h_t	0 γ	A=2.19 B=0.004	210 γ	γ	γ	γ	γ	γ	γ
t_h	Δt_h	Δh	17.9°	2.9°	0 γ	°	°		°	°	
h				210 γ							
H Base (15° C)				29513 γ				γ			γ
H				29723							
I a)				1° 46.86'			° '			° '	
log H			4.473 09								
log tan I			8.492 68								
log Z			2.965 77								
Z				924 γ				γ			γ
q_z	ε_z	z_t	8.4 γ	3.64 γ	169 γ	γ	γ	γ	γ	γ	γ
t_z	Δt_z	Δz	17.9°	+ 2.9°	24	°	°		°	°	
z				193							
Z Base (15° C)				731 γ				γ			γ

Correction on I.M.S. used for inductor = 0.0°.

a) The value tabulated is the mean of set I (1° 46.86') and of set II (1° 46.85') corrected to I.M.S.

Fig. 33. Form for vertical intensity base-line determinations

TABLES 1-25

MAGNETOGRAPH TEMPERATURES, SCALE VALUES, AND BASE LINES; MONTHLY AND ANNUAL MEANS OF THE MAGNETIC ELEMENTS, 1922-1935

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Table 1. Observatory staff from 1922 to 1935

Year	Observer-in-charge	Observers and aides
1922	W. F. Wallis	C. M. Little, from Mar. 21
1923	W. F. Wallis, to June 30 W. C. Parkinson, from June 30	C. M. Little
1924	W. C. Parkinson	C. M. Little, to May 2; R. T. Booth, from April 22; D. G. Coleman, from Aug. 9
1925	W. C. Parkinson, to July 17 R. T. Booth, from July 17	R. T. Booth, to July 17; D. G. Coleman, to Feb. 9; R. H. Goddard, from June 16; A. H. Kampe, from June 16; M. T. Quintana, from Mar. 1
1926	R. T. Booth, to April 1 R. H. Goddard, from April 1	W. C. Parkinson, consulting magnetician, from July 3; A. H. Kampe; M. T. Quintana
1927	R. H. Goddard, to April 1 O. W. Torreson, from April 1	W. C. Parkinson, consulting magnetician, to July 23; O. W. Torreson, from Mar. 12 to 31; A. H. Kampe, to Oct. 28; P. G. Ledig, from July 23; S. E. Forbush, from Oct. 17; M. T. Quintana
1928	O. W. Torreson, to Feb. 1 P. G. Ledig, from Feb. 1	P. G. Ledig, to Feb. 1; S. E. Forbush; V. J. Eaton, from June 25; M. T. Quintana; T. Astete (part time)
1929	P. G. Ledig	S. E. Forbush, to June 8; V. J. Eaton, to Nov. 30; R. E. Gebhardt, from July 1; M. T. Quintana; T. Astete (part time)
1930	P. G. Ledig	R. E. Gebhardt; S. E. Forbush, from May 25 (acting observer-in-charge from July 1 to Oct. 1); M. T. Quintana; T. Astete
1931	P. G. Ledig	S. E. Forbush, to Aug. 11; R. E. Gebhardt, to April 1; S. L. Seaton, from June 2; J. E. I. Cairns, from Aug. 11; M. T. Quintana; T. Astete
1932	P. G. Ledig, to Dec. 1 J. E. I. Cairns, from Dec. 1	J. E. I. Cairns, to Dec. 1; S. L. Seaton, to Aug. 20; R. H. Mansfield, from Sep. 26; H. W. Wells, from Dec. 5; M. T. Quintana; T. Astete
1933	J. E. I. Cairns	R. H. Mansfield; H. W. Wells; M. T. Quintana, to July 31; T. Astete
1934	J. E. I. Cairns, to Sep. 1 O. W. Torreson, from Sep. 1	R. H. Mansfield, to April 12; H. W. Wells; O. W. Torreson, from April 27 to Aug. 31; W. E. Scott, from Sep. 18; T. Astete; A. Macha, from Feb. 1
1935	O. W. Torreson	W. E. Scott; H. W. Wells, to Aug. 16; H. E. Stanton, from June 28; T. Astete; A. Macha

Table 2. Monthly mean and range in temperatures, Eschenhagen Magnetograph

Month	1922		1923		1924		1925		1926		1927		1928	
	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range
	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Jan	.....	....	19.3	0.6	19.1	0.7	15.8	0.3	16.5	0.8	16.4	0.7	16.9	4.8
Feb	.....	....	19.9	0.5	19.0	0.3	15.8	0.3	16.7	0.6	16.3	0.8	16.7	1.7
Mar	17.0	2.0	19.6	0.6	17.4	1.9	15.8	0.4	17.0	0.6	16.1	0.8	16.5	0.6
Apr	18.7	3.8	19.5	0.9	16.2	1.2	15.8	0.3	17.2	0.6	16.1	2.1	16.4	0.6
May	19.2	0.7	18.7	2.4	15.8	0.8	15.6	1.0	16.4	1.0	13.7	1.0	16.7	0.7
Jun	19.1	0.8	17.8	1.8	15.4	0.9	14.8	0.9	15.7	0.9	15.9	5.3	15.9	0.3
Jul	18.1	1.4	18.1	1.6	14.7	0.7	14.4	0.9	15.1	0.3	15.9	6.9	15.1	1.4
Aug	18.3	1.4	18.2	0.6	14.9	0.8	14.8	1.4	15.5	1.1	15.2	5.6	15.4	1.3
Sep	19.2	0.8	18.8	1.0	15.5	1.2	15.4	1.0	16.5	0.7	17.2	8.2	16.2	0.7
Oct	19.4	0.5	19.0	0.4	15.7	0.7	16.1	0.3	17.0	0.9	16.5	3.5	16.7	0.2
Nov	19.4	0.7	18.8	0.6	16.0	0.5	16.5	0.5	16.7	0.6	18.8	2.9	16.7	0.8
Dec	19.6	0.8	18.9	0.5	15.9	0.7	16.3	0.4	16.8	0.4	16.8	2.0	16.9	0.3
Year	18.8	1.3	18.9	1.0	16.3	0.9	15.6	0.6	16.4	0.7	16.2	3.3[a]	16.3	1.1

Month	1929		1930		1931		1932		1933		1934		1935	
	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range
	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Jan	16.8	0.7	16.7	0.5	17.4	0.3	17.0	0.3	17.6	1.3	16.7	0.6	17.2	1.3
Feb	16.8	0.6	16.8	0.2	17.4	0.5	16.9	0.3	18.5	5.8	16.9	0.5	17.2	1.7
Mar	16.7	0.6	16.8	0.4	17.3	0.4	16.7	0.5	19.0	5.6	16.5	0.4	17.8	1.3
Apr	16.4	0.4	16.4	0.5	17.2	0.3	16.4	0.6	17.8	1.1	16.5	0.7	17.4	1.7
May	15.8	0.6	16.0	1.5	16.8	1.2	16.3	0.3	17.2	2.0	16.2	1.1	16.0	1.7
Jun	15.5	0.6	15.3	0.7	15.7	1.4	15.4	1.2	16.4	1.5	15.8	0.7	16.0	1.0
Jul	14.8	0.7	14.9	0.9	15.5	0.9	14.8	0.7	15.1	0.8	15.2	1.0	15.2	1.1
Aug	15.1	1.5	15.0	1.3	15.8	0.6	15.6	1.2	15.6	0.8	15.2	0.8	15.8	0.3
Sep	16.2	0.7	15.4	0.6	16.4	0.8	16.5	0.4	16.7	1.0	16.2	0.8	15.9	0.8
Oct	16.6	0.5	16.1	1.0	16.6	0.7	16.7	0.6	16.8	0.4	17.0	0.4	16.8	0.7
Nov	16.4	0.5	16.8	1.0	17.0	0.6	16.9	0.5	16.9	0.9	17.1	0.4	17.2	0.5
Dec	16.5	0.4	16.8	1.2	17.0	0.2	17.0	1.8	16.9	0.6	17.2	0.4	17.3	0.2
Year	16.1	0.6	16.1	0.8	16.7	0.7	16.4	0.7	17.0	1.8	16.4	0.6	16.6	1.0

[a]Large ranges occurred during adjustments to magnetograph

Table 3. Observed H scale value, ϵ_h, and adopted values of A, using small-magnet deflection method, where $A = \epsilon_h - Bh$, the scale value for a zero ordinate; B is a factor depending on the fiber, the control magnets and the value of H; and h is the ordinate in mm

(Mean hourly values of horizontal intensity, H, are derived from base-line values [in gammas] plus values of ΔH, where $\Delta H = [A + B/2)h]h$)

Date	Temperature	ϵ_h	Ordinate	A Computed	A Adopted
	°C	γ/mm	mm	γ/mm	γ/mm
	B = 1/175, or 0.00571				
1922					
Mar 13	16.9	2.125	41.4	1.889	1.89
Mar 21	18.3	1.909	2.7	1.894	1.89
May 29	19.5	1.836	- 8.0	1.882	1.89
Jun 26	19.4	1.873	- 0.9	1.878	1.89
Jul 24	18.8	1.846	- 5.6	1.878	1.89[a]
Aug 28	19.4	1.826	- 9.2	1.879	1.88
Sep 25	20.0	1.810	-12.7	1.883	1.88
Nov 13	20.0	1.828	-10.8	1.890	1.88
Dec 18	20.2	1.807	-12.0	1.876	1.88
1923					
Jan 29	19.8	1.776	-17.0	1.873	1.88
Feb 26	20.0	1.709	-28.4	1.871	1.88
Mar 26	19.8	1.755	-21.1	1.875	1.88
Apr 23	20.0	1.675	-34.6	1.873	1.88[b]
Jun 18	18.7	1.815	- 9.9	1.872	1.87
Jul 18	17.9	1.835	- 6.2	1.870	1.87
Aug 18	18.7	1.836	- 7.1	1.877	1.87
Sep 15	19.1	1.779	-15.8	1.869	1.87
Nov 17	18.9	1.779	-15.4	1.867	1.87
Dec 17	19.0	1.754	-18.9	1.862	1.87
1924					
Jan 18	19.8	1.675	-34.2	1.870	1.87[c]
Feb 18	19.3	1.725	-21.8	1.849	1.86
Mar 16	17.5	1.766	-14.7	1.850	1.86
Apr 15	16.2	1.811	- 9.3	1.864	1.86
May 14	16.4	1.811	- 6.7	1.849	1.86
Jun 14	15.8	1.773	-15.0	1.859	1.86
Jul 15	15.0	1.722	-21.0	1.842	1.86
Aug 15	16.1	1.850	2.2	1.837	1.86
Sep 16	16.0	1.832	- 1.2	1.839	1.86
Oct 16	16.3	1.887	3.8	1.865	1.86[d]
Nov 14	16.0	1.821	- 5.6	1.853	1.85
Dec 16	16.3	1.713	-23.8	1.849	1.85
1925					
Jan 17	16.2	1.774	-14.3	1.856	1.85
Feb 16	16.4	1.759	-15.8	1.849	1.85
Mar 14	16.1	1.841	- 3.4	1.860	1.85
Apr 14	15.9	1.881	2.1	1.869	1.85
May 14	16.3	1.924	12.6	1.852	1.85
Jun 18	15.5	1.770	-13.4	1.847	1.85
Jul 14	14.7	1.860	2.5	1.846	1.85[e]
Aug 15	15.6	1.759	-16.1	1.851	1.84
Sep 22	16.0	1.815	- 6.6	1.853	1.84
Oct 16	16.2	1.759	-10.5	1.819	1.84
Dec 15	16.6	1.849	1.9	1.838	1.84
1926					
Jan 17	16.5	1.774	-14.5	1.857	1.84[f]
Feb 13	16.6	3.035	24.4	2.896	2.90[g]
Mar 13	17.5	1.959	20.5	1.842	1.84
Apr 18	17.5	1.746	-15.5	1.835	1.84[h]
May 16	17.3	1.838	1.7	1.828	1.83
Jun 15	15.9	1.896	11.2	1.832	1.83
Jul 19	15.0	1.936	20.0	1.822	1.83
Aug 16	15.2	1.812	- 3.3	1.831	1.83
Sep 16	16.3	1.743	-16.2	1.836	1.83[i]
	B = 1/175, or 0.00571				
1926					
Oct 21	17.0	2.503	-67.2	2.887	2.90[j]
Oct 25	17.3	2.635	26.7	2.483	2.48
Nov 17	16.6	2.766	48.2	2.491	2.48
Dec 18	16.9	2.943	77.2	2.502	2.48
1927					
Jan 15	16.3	2.793	53.0	2.490	2.48
Feb 14	16.2	2.830	59.2	2.492	2.48
Mar 15	16.3	2.802	54.4	2.491	2.48
Apr 18	16.0	2.701	42.6	2.458	2.48
May 17	13.5	2.815	58.3	2.482	2.48
Jun 17	15.5	2.832	64.1	2.466	2.48
Jul 17	14.5	2.901	72.2	2.489	2.48
Jul 21	14.0	2.782	52.2	2.484	2.48
Aug 16	16.3	2.719	44.4	2.465	2.48[k]
	B = 1/320, or 0.00312				
Sep 7	17.6	2.352	60.0	2.165	2.15
Sep 18	14.4	2.362	67.3	2.152	2.15
Oct 16	16.2	2.470	95.8	2.171	2.15[l]
	B = 3/1000, or 0.00300				
Nov 16	19.8	1.800	101.2	1.496	1.53
Dec 10	15.8	1.764	61.8	1.579	1.53[m]
	B = 1/290, or 0.00345				
Dec 19	17.1	2.317	36.0	2.193	2.19[n]
	B = 0.0041				
1928					
Feb 16	16.6	2.536	74.8	2.229	2.15[o]
Mar 15	16.3	2.628	94.0	2.243	2.24
Apr 16	16.4	2.642	95.2	2.252	2.24
May 16	16.7	2.613	87.7	2.253	2.24
Jun 15	16.0	2.534	75.8	2.223	2.24
Jul 17	15.5	2.449	51.1	2.239	2.24[p]
Aug 15	16.0	2.564	79.2	2.239	2.23
Sep 17	16.6	2.598	88.7	2.234	2.23
Oct 16	16.8	2.570	78.3	2.249	2.23
Nov 15	16.8	2.449	50.0	2.244	2.23
Dec 15	17.0	2.606	90.0	2.237	2.23
1929					
Jan 15	16.8	2.565	82.8	2.226	2.23[q]
Feb 19	17.4	2.396	40.6	2.230	2.22
Mar 16	17.0	2.304	19.5	2.224	2.22
Apr 15	17.0	2.235	5.3	2.213	2.22
May 14	16.1	2.319	24.5	2.219	2.22
Jun 17	16.1	2.419	44.0	2.239	2.22
Jul 17	15.0	2.308	23.0	2.214	2.22[r]
Aug 16	15.2	2.389	43.8	2.209	2.21
Sep 16	16.4	2.536	80.2	2.207	2.21
Sep 17	16.5	2.586	91.8	2.210	2.21
Oct 18	17.1	2.286	20.2	2.203	2.21
Nov 21	16.9	2.545	81.3	2.212	2.21
Dec 14	17.0	2.561	83.7	2.218	2.21
1930					
Jan 16	17.1	2.573	91.3	2.199	2.21[s]
Feb 17	17.2	2.293	23.3	2.197	2.20
Mar 16	17.2	2.298	23.6	2.201	2.20
Apr 15	16.8	2.513	75.8	2.202	2.20

Table 3. Observed H scale value, ϵ_h, and adopted values of A, using small-magnet deflection method, where $A = \epsilon_h - Bh$, the scale value for a zero ordinate; B is a factor depending on the fiber, the control magnets and the value of H, and h is the ordinate in mm--Concluded

Date	Temperature	ϵ_h	Ordinate	A Computed	A Adopted
	°C	γ/mm	mm	γ/mm	γ/mm
		B = 0.0041			
1930					
May 19	16.6	2.296	26.7	2.187	2.20
Jun 24	15.9	2.420	56.4	2.189	2.20
Jul 16	15.3	2.309	30.3	2.185	2.20[t]
Aug 19	15.1	2.378	43.6	2.199	2.19
Sep 22	15.4	2.572	90.0	2.203	2.19
Oct 16	16.8	2.455	61.2	2.204	2.19
Nov 17	17.4	2.359	38.2	2.202	2.19
Dec 15	17.1	2.392	47.0	2.199	2.19
		B = 0.004			
1931					
Jan 15	18.0	2.444	60.0	2.204	2.19
Feb 17	18.0	2.508	76.1	2.204	2.19
Mar 16	17.8	2.453	62.2	2.204	2.19
Apr 16	17.7	2.367	44.8	2.188	2.19
May 19	17.0	2.462	66.1	2.198	2.19
Jun 23	15.9	2.437	62.7	2.186	2.19
Jul 16	15.8	2.455	65.5	2.193	2.19
Aug 18	16.2	2.488	73.5	2.194	2.19
Sep 16	16.9	2.418	57.8	2.187	2.19
Oct 16	17.0	2.376	49.9	2.176	2.19[u]
Nov 16	17.6	2.299	30.0	2.179	2.18
Dec 16	17.1	2.345	43.4	2.171	2.18
1932					
Jan 15	17.4	2.477	73.7	2.182	2.18
Feb 16	17.3	2.493	78.5	2.179	2.18
Mar 16	16.8	2.575	96.4	2.189	2.18
Apr 23	16.9	2.342	42.9	2.170	2.18
May 16	16.4	2.356	46.9	2.168	2.18[v]
Jun 16	15.9	2.444	67.5	2.174	2.17
Jul 15	14.8	2.331	45.1	2.151	2.17
Aug 17	16.0	2.433	66.1	2.169	2.17
		B = 0.004			
1932					
Sep 15	16.7	2.409	64.7	2.150	2.17
Oct 14	17.1	2.421	62.9	2.169	2.17
Nov 15	17.6	2.475	75.4	2.173	2.17[w]
Dec 19	17.0	2.418	63.3	2.165	2.16
1933					
Jan 16	17.6	2.351	48.6	2.157	2.16
Feb 15	17.5	2.509	83.9	2.173	2.16
Mar 15	19.7	2.426	66.2	2.161	2.16
Apr 15	18.0	2.452	70.5	2.170	2.16
May 17	17.7	2.365	50.4	2.163	2.16
Jun 15	16.7	2.358	59.0	2.122	2.16
Jul 17	15.8	2.465	79.0	2.149	2.16
Aug 15	15.8	2.383	57.8	2.152	2.16
Sep 15	17.2	2.393	57.6	2.163	2.16
Oct 16	17.0	2.538	91.1	2.174	2.16
Nov 15	17.5	2.382	53.6	2.168	2.16
Dec 18	17.1	2.446	68.6	2.172	2.16
1934					
Jan 15	17.0	2.443	70.4	2.161	2.16
Feb 15	17.3	2.619	114.8	2.160	2.16
Mar 15	17.0	2.517	88.5	2.163	2.16
Apr 16	16.9	2.541	94.1	2.165	2.16[x]
May 14	17.2	2.438	71.8	2.151	2.15
Jun 15	16.0	2.428	69.0	2.152	2.15
Jul 16	15.1	2.478	81.2	2.153	2.15
Aug 16	15.8	2.460	77.7	2.149	2.15
Sep 14	16.6	2.549	97.2	2.160	2.15
Oct 15	17.5	2.490	85.2	2.149	2.15
Nov 15	18.3	2.448	73.7	2.153	2.15
Dec 16	18.2	2.428	69.5	2.150	2.15
1935					
Jan 16	17.6	2.440	73.0	2.148	2.15[y]

Note: Beginning February 1, 1935, H scale-value determinations were obtained by Helmholtz-coil method. During the interval (14h, Jan. 31 to 19h, Feb. 1) that the coils were being installed, hourly values were obtained from la Cour trace.

[a]To 24h, July 31
[b]To 24h, May 31
[c]To 24h, Jan. 31
[d]To 24h, Oct. 31
[e]To 24h, July 31
[f]To 21h, Jan. 26
[g]To 19h, Mar. 1
[h]To 24h, Apr. 30
[i]To 19h, Oct. 15
[j]To 17h, Oct. 22
[k]To 19h, Aug. 24
[l]To 20h, Nov. 14
[m]To 21h, Dec. 14
[n]To 24h, Dec. 31
[o]To 15h, Jan. 29
[p]To 24h, July 31
[q]To 24h, Jan. 31
[r]To 24h, July 31
[s]To 24h, Jan. 31
[t]To 24h, July 31
[u]To 24h, Oct. 31
[v]To 24h, May 31
[w]To 24h, Nov. 30
[x]To 24h, Apr. 30
[y]To 13h, Jan. 31

Table 3a. Summary of adopted values of A (where $A = \epsilon_h - Bh$, B = 0.004, and h is ordinate in mm) from H scale-value determinations with Helmholtz Coil

Range in determinations of A	No. of observations	Adopted value of A	Adopted A used to
γ/mm		γ/mm	
1935			
1.36-1.43	2	1.39	19h, Feb 5[a]
2.04-2.13	29	2.08	24h, Jun 30
2.05-2.13	25	2.07	24h, Nov 30
2.06-2.08	4	2.06	24h, Dec 31

[a]Adjusted H variometer

Table 4. Observed Z scale values and corresponding adopted values. Eschenhagen Magnetograph

Date	Observed scale value at distance[a]			Mean corrected for P	Adopted value	Adopted value used to
	28 cm	29 cm	30 cm			
1922	γ/mm	γ/mm	γ/mm	γ/mm	γ/mm	
Mar 15	9.642	.....	9.504	10.353	10.4	21h, Mar 17
Mar 22	5.510	5.670	5.628	6.054	6.2	
Apr 26	5.794	5.756	6.008	6.324	6.2	22h, May 29
May 31	5.124	5.193	5.280	5.618	5.5	
Jun 28	4.866	4.965	5.039	5.356	5.5	19h, Jun 29
Jul 26	4.401	4.453	4.456	4.794	4.7	
Aug 30	4.947	5.007	5.066	5.373	4.7	
Sep 27	4.123	4.095	4.052	4.390	4.7	
Nov 15	4.426	4.391	4.391	4.725	4.7	
Dec 20	4.358	4.363	4.354	4.678	4.7	19h, Dec 27
....	.....	.....	.....	.....	[4.4]	19h, Jan 20
1923						
Jan 31	3.730	3.751	3.725	4.009	4.2	
Feb 28	3.837	3.893	3.847	4.142	4.2	
Mar 28	3.899	3.945	3.907	4.204	4.2	
Apr 25	3.830	3.847	3.807	4.102	4.2	
Jun 20	3.900	3.906	3.913	4.186	4.2	
Jul 19	3.907	3.918	3.946	4.204	4.2	
Aug 17	3.913	3.928	3.945	4.210	4.2	
Aug 20	4.502	4.477	4.417	4.785	4.2	
Sep 17	3.913	3.994	3.997	4.252	4.2	20h, Oct 18
Oct 18	3.775	3.801	3.851	4.081	3.9	
Nov 18	3.642	3.618	3.651	3.897	3.9	
Dec 18	3.666	3.666	3.640	3.919	3.9	
1924						
Jan 19	3.476	3.514	3.412	3.715	3.9	12h, Jan 21
Jan 22	8.584	8.817	8.937	9.407	9.4	16h, Feb 13
Feb 19	7.256	7.442	7.468	7.917	8.2	
Mar 17	7.550	7.573	7.686	8.146	8.2	
May 15	8.261	8.053	8.256	8.776	8.2	
Jun 15	7.839	7.704	7.853	8.356	8.2	
Jul 16	7.379	7.481	7.426	7.960	8.2	
Aug 16	7.542	7.740	7.799	8.243	8.2	16h, Aug 16
Aug 23	5.296	5.313	5.238	5.660	5.6	
Sep 27	4.974	4.955	4.993	5.330	5.6	
Oct 15	5.352	5.455	5.410	5.792	5.6	16h, Oct 15
Oct 27	5.950	6.028	6.058	6.442	6.4	16h, Oct 27
Nov 17	3.204	3.250	3.250	3.466	3.5	
Dec 20	3.404	3.451	3.415	3.668	3.5	24h, Dec 31
1925						
Jan 17	3.167	3.280	3.253	3.464	3.5	16h, Feb 16
Feb 16	2.663	2.738	2.695	2.892	2.80	
Mar 16	2.580	2.631	2.606	2.792	2.80	
Apr 16	2.502	2.534	2.537	2.705	2.80	14h, Apr 22
Apr 23	2.904	2.998	3.034	3.191	3.15	
May 15	2.859	3.004	3.023	3.174	3.15	
Jul 15	2.718	2.851	2.847	3.006	3.15	
Aug 17	2.977	3.043	2.892	3.215	3.15	
Sep 17	2.867	2.915	2.896	3.099	3.15	
Oct 17	2.729	2.802	2.784	2.970	3.15	16h, Oct 17
Dec 15	2.339	2.428	2.473	2.586	2.55	24h, Dec 31
1926						
Jan 17	2.277	2.413	2.354	2.516	2.55	14h, Feb 9
Feb 9	[Scale value uncertain]				[6.5]	16h, Feb 13
Feb 16	21.430	21.636	22.517	23.423	23.4	10h, Feb 18
Feb 20	5.864	5.903	5.993	6.343	7.2	
Mar 13	7.207	7.228	7.215	7.733	7.2	
Apr 18	6.810	6.969	6.935	7.398	7.2	15h, May 16
May 16	6.391	6.497	6.428	6.899	6.9	
Jun 17	6.509	6.528	6.504	6.980	6.9	15h, Jun 17
Aug 16	4.666	4.789	4.854	5.111	5.1	
Sep 16	4.684	4.825	4.845	5.127	5.1	15h, Oct 14
Oct 21	7.089	7.154	7.191	7.655	7.7	14h, Oct 22
Oct 22	[New Z variometer installed 15-17h]					
Oct 25	6.199	.....	6.255	6.764	6.73	
Nov 17	6.083	.....	6.251	6.699	6.73	15h, Nov 18
Nov 19	2.124	2.120	2.111	2.298	2.22	
Dec 18	2.062	2.065	2.074	2.242	2.22	
1927						
Jan 15	2.012	2.017	2.042	2.195	2.22	
Feb 14	2.025	2.044	2.040	2.208	2.22	
Mar 15	2.047	2.060	2.069	2.233	2.22	
Apr 18	2.031	2.032	2.040	2.206	2.22	

Date	Observed scale value at distance[a]			Mean corrected for P	Adopted value	Adopted value used to
	28 cm	29 cm	30 cm			
1927	γ/mm	γ/mm	γ/mm	γ/mm	γ/mm	
May 17	1.997	2.009	2.045	2.188	2.22	
Jun 17	2.044	.....	2.070	2.235	2.22	
Jul 17	2.030	.....	2.071	2.227	2.22	14h, Jul 21
Jul 21	2.153	.....	2.194	2.361	2.40	13h, Aug 16
Aug 16	2.402	.....	2.426	2.622	2.62	17h, Aug 17
Aug 18	2.054	.....	2.046	2.227	2.26	
Sep 18	2.103	.....	2.123	2.295	2.26	20h, Sep 30
Oct 16	2.868	.....	2.895	3.130	3.13	
Nov 16	2.873	.....	2.907	3.139	3.13	08h, Nov 25
Dec 18	2.343	.....	2.373	2.561	2.56	
1928						
Jan 17	2.325	.....	2.369	2.550	2.56	18h, Jan 27
Feb 21	2.485	.....	2.519	2.718	2.68	
Mar 15	2.475	.....	2.511	2.708	2.68	
Apr 16	2.389	.....	2.412	2.608	2.68	09h, Apr 13
Apr 20	2.151	.....	2.190	2.358	2.36	
May 16	2.149	.....	2.198	2.361	2.36	
May 16	2.135	.....	2.190	2.349	2.36	
Jun 15	2.183	.....	2.201	2.381	2.36	19h, Jul 5
Jul 17	2.853	.....	2.913	3.132	3.16	
Aug 15	2.922	.....	2.943	3.186	3.16	08h, Aug 24
Sep 17	2.956	.....	2.974	3.221	3.26	
Oct 16	3.011	.....	3.040	3.286	3.26	
Nov 15	2.937	.....	2.981	3.214	3.26	
Dec 15	2.981	.....	3.045	3.273	3.26	
1929						
Jan 15	2.962	.....	3.024	3.251	3.26	19h, Feb 18
Feb 19	2.838	2.863	2.843	3.087	3.12	
Mar 16	2.877	2.896	2.898	3.135	3.12	
Apr 19	2.828	2.834	2.876	3.087	3.12	
May 14	2.900	2.908	2.911	3.152	3.12	16h, May 14
Jun 17	3.301	3.222	3.240	3.495	3.62	
Jul 17	3.240	3.275	3.289	3.548	3.62	
Aug 16	3.296	3.371	3.374	3.645	3.62	
Sep 19	3.449	3.483	3.461	3.757	3.62	08h, Oct 17
Oct 18	3.088	3.100	3.107	3.361	3.41	
Nov 21	3.109	3.126	3.134	3.387	3.41	
Dec 14	3.152	3.166	3.194	3.442	3.41	24h, Dec 31
1930						
Jan 16	3.153	3.173	3.211	3.451	3.41	
Feb 17	3.112	3.114	3.138	3.389	3.41	
Mar 16	3.144	3.160	3.163	3.426	3.41	19h, Mar 16
Apr 15	3.320	3.362	3.374	3.639	3.64	
May 19	3.381	3.441	3.430	3.710	3.64	
Jun 24	3.343	3.348	3.382	3.645	3.64	
Jul 16	3.247	3.291	3.290	3.557	3.64	
Aug 19	3.250	3.284	3.318	3.565	3.64	
Sep 22	3.348	3.391	3.381	3.662	3.64	
Oct 16	3.340	3.385	3.392	3.661	3.64	
Nov 17	3.295	3.334	3.346	3.610	3.64	
Dec 15	3.396	3.433	3.455	3.722	3.64	
1931						
Jan 15	3.340	3.401	3.386	3.665	3.64	
Feb 17	3.359	3.391	3.397	3.672	3.64	
Mar 16	3.281	3.280	3.253	3.552	3.64	
Apr 16	3.305	3.321	3.354	3.612	3.64	
May 19	3.301	3.353	3.368	3.626	3.64	
Jun 23	3.303	3.303	3.342	3.600	3.64	
Jul 16	3.326	3.379	3.384	3.651	3.64	
Aug 18	3.166	3.190	3.208	3.461	3.64	
Sep 16	3.404	3.371	3.378	3.674	3.64	
Oct 16	3.371	3.316	3.331	3.625	3.64	20h, Oct 16
Nov 16	4.959	4.936	4.966	5.381	5.37	
Dec 16	4.892	4.927	4.978	5.354	5.37	10h, Jan 15
1932						
Jan 15	5.064	5.087	5.130	5.529	5.52	09h, Jan 16
Jan 30	4.850	4.865	4.893	5.286	5.28	
Feb 16	4.797	4.858	4.892	5.264	5.28	24h, Feb 29
Mar 16	5.045	4.931	4.978	5.411	5.47	
Apr 23	4.973	5.027	5.071	5.454	5.47	
May 16	5.050	5.075	5.077	5.501	5.47	
Jun 16	5.041	5.103	5.071	5.506	5.47	09h, Jun 21
Jul 15	3.758	3.810	3.811	4.118	4.12	09h, Jul 17

Table 4. Observed Z scale values and corresponding adopted values. Eschenhagen Magnetograph--Concluded

Date	Observed scale value at distance[a]			Mean corrected for P	Adopted value	Adopted value used to
	28 cm	29 cm	30 cm			
1932	γ/mm	γ/mm	γ/mm	γ/mm	γ/mm	
Aug 17	3.911	3.941	3.949	4.270	4.30	
Sep 15	3.993	4.013	4.033	4.357	4.30	
Oct 14	3.984	3.978	3.995	4.327	4.30	
Nov 15	3.887	3.876	3.925	4.230	4.30	
Dec 19	3.936	3.973	3.979	4.304	4.30	
1933						
Jan 16	3.876	4.074	.....	4.329	4.30	15h, Jan 16
Jan 16	3.777	3.896	.....	4.178	4.18	
Feb 15	3.819	3.856	3.844	4.169	4.18	14h, Mar 10
Mar 15	4.479	4.502	4.506	4.881	4.88	10h, Apr 3
Apr 15	Helmholtz coil[b]			5.71	5.70	
May 17	Helmholtz coil			5.62	5.70	
Jun 15	Helmholtz coil			5.84	5.70	
Jun 21	Helmholtz coil			5.78	5.70	
Jul 17	Helmholtz coil			5.73	5.70	11h, Jul 17
Jul 17	4.593	4.636	4.690	5.037	5.04	
Aug 15	4.582	4.677	4.640	5.030	5.04	11h, Aug 15
Aug 15	Helmholtz coil			4.70	4.74	
1933	γ/mm	γ/mm	γ/mm	γ/mm	γ/mm	
Aug 18	Helmholtz coil			4.78	4.74	14h, Aug 18
Aug 21	Helmholtz coil			3.85	3.90	
Sep 15	Helmholtz coil			3.89	3.90	
Sep 15	3.626	3.653	3.703	3.974	3.90	
Sep 15	Helmholtz coil			3.78	3.90	
Oct 16	Helmholtz coil			3.91	3.90	
Oct 16	Large magnet			3.87	3.90	
Oct 16	Helmholtz coil			3.94	3.90	
Oct 24	Helmholtz coil			3.93	3.90	
Oct 25	Helmholtz coil			3.90	3.90	
Nov 15	Helmholtz coil			3.96	3.90	14h, Nov 15
Nov 15	Helmholtz coil			4.16	4.22	
Nov 25	Helmholtz coil			4.16	4.22	
Nov 28	Helmholtz coil			4.13	4.22	
Nov 30	Helmholtz coil			4.17	4.22	
Dec 1 to Dec 30	Helmholtz coil			4.25	4.22	24h, Dec 31
	Mean, 26 obs'ns				4.22	

[a]Determinations of March 15 to July 26, 1922, at distances 25.0, 27.5, and 30 cm, respectively. Determinations of August 30, 1922, to March 28, 1923, at distances 27.5, 28.5, and 30.0 cm. Determinations of October 25 and November 17, 1926, and June 17, 1927, to January 15, 1929, at distances 27.5 and 30 cm. Determinations of July 17 and December 14, 1929, at distances 27.5, 29.0, and 30.0 cm. Determination of August 16, 1929, at distances 29.0, 30.0, and 31.0 cm.

[b]Helmholtz Coil installed on Z variometer on April 5, 1933. Transition period from magnetic to electrical scale-value method during which special tests for agreement and accuracy were conducted

Table 5. Summary of Z scale-value determinations with Helmholtz Coil in 1934 and 1935

Range in ϵ_Z observations	No. of observations	Mean value Z	Mean value used to	Range in ϵ_Z observations	No. of observations	Mean value Z	Mean value used to
γ/mm		γ/mm		γ/mm		γ/mm	
1934				1935			
4.13-4.31	87	4.22	11h, May 15	3.71-3.88	12	3.80	15h, Apr 12
4.60-4.78	11	4.74	09h, Jun 15	3.60-3.73	19	3.67	11h, May 31
4.74-4.87	9	4.80	10h, Jul 16	.....	1	10.56	12h, Jun 1
4.78-4.90	16	4.86	15h, Aug 31	11.15-11.19	2	11.17	16h, Jun 5
4.52-4.63	5	4.56	11h, Sep 14	4.13-4.22	6	4.18	19h, Jun 23
4.63-4.81	6	4.66	19h, Sep 30	4.46-4.52	3	4.50	09h, Jul 1
4.73-4.87	14	4.80	10h, Nov 15	5.29-5.37	2	5.33	19h, Jul 4
4.50-4.67	12	4.63	10h, Dec 16	5.43-5.56	8	5.50	09h, Jul 23
5.05-5.30	6	5.26	24h, Dec 31	5.24-5.32	3	5.30	10h, Jul 31
1935				2.85-3.01	6	2.95	13h, Aug 12
5.28-5.30	3	5.26	10h, Jan 14	4.56-4.79	20	4.75	24h, Sep 30
5.48-5.54	6	5.50	09h, Jan 30[a]	4.77-4.89	18	4.85	18h, Nov 13
3.52-3.66	9	3.60	15h, Feb 26	3.55-3.72	21	3.70	24h, Dec 31
3.78-3.94	8	3.85	21h, Mar 16				

[a]Scale value from 10h, January 30, to 22h, January 31, unknown

Table 6. Observed base-line values for the D variometer and respective adopted values. Eschenhagen Magnetograph
(Observed values determined with Magnetometer No. 10)
(East declination)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1922	° ′	° ′	1923	° ′	° ′	1924	° ′	° ′
Mar 2	7 36.8	7 36.9	Jan 8	7 38.0	7 37.9	Jan 8	7 37.0	7 37.7
Mar 8	7 37.4	7 36.9	Jan 15	7 38.0	7 37.9	Jan 15	7 37.6	7 37.7
Mar 15	7 36.8	7 36.9	Jan 22	7 38.5	7 37.9	Jan 21	7 37.2	7 37.7
Mar 21[a]	7 36.8	7 36.9	Jan 29	7 37.6	7 37.9	Jan 28	7 37.8	7 37.7
Apr 11	7 37.4	7 37.4	Feb 5	7 38.0	7 37.9	Feb 4	7 37.4	7 37.7
Apr 18	7 37.4	7 37.4	Feb 12	7 37.5	7 37.9	Feb 11	7 37.5	7 37.7
Apr 25	7 37.3	7 37.5	Feb 20	7 38.4	7 38.0	Feb 18	7 37.8	7 37.7
May 3	7 37.2	7 37.6	Feb 27	7 38.1	7 38.0	Feb 25	7 37.2	7 37.6
May 9	7 37.8	7 37.6	Mar 5	7 37.8	7 38.0	Mar 2	7 37.0	7 37.6
May 16	7 37.4	7 37.6	Mar 12	7 38.0	7 38.0	Mar 9	7 37.8	7 37.6
May 17	7 38.0	7 37.6	Mar 19	7 38.2	7 38.0	Mar 18	7 37.6	7 37.6
May 17	7 37.8	7 37.6	Mar 26	7 37.6	7 38.0	Mar 25	7 37.4	7 37.6
May 23	7 37.6	7 37.7	Apr 2	7 38.2	7 38.0	Mar 31	7 37.3	7 37.6
Jun 1	7 37.6	7 37.7	Apr 9	7 38.2	7 38.0	Apr 8	7 37.6	7 37.6
Jun 6	7 38.0	7 37.8	Apr 16	7 38.4	7 38.0	Apr 14	7 37.6	7 37.6
Jun 13	7 37.8	7 37.8	Apr 23	7 37.8	7 38.0	Apr 21	7 37.4	7 37.6
Jun 20	7 37.9	7 37.8	Apr 30	7 37.6	7 38.0	Apr 28	7 37.6	7 37.6
Jun 27	7 37.8	7 37.8	May 7	7 37.6	7 38.0	May 5	7 37.6	7 37.6
Jul 4	7 37.9	7 37.8	May 14	7 38.4	7 38.1	May 12	7 37.4	7 37.6
Jul 10	7 38.0	7 37.8	May 21	7 38.3	7 38.1	May 19	7 37.4	7 37.6
Jul 16	7 38.3	7 37.8	May 28	7 38.0	7 38.1	May 26	7 37.5	7 37.6
Jul 24	7 38.4	7 37.8	Jun 4	7 38.0	7 38.1	Jun 2	7 37.9	7 37.6
Aug 1	7 37.7	7 37.8	Jun 11	7 38.4	7 38.1	Jun 9	7 38.0	7 37.6
Aug 8	7 37.5	7 37.8	Jun 18	7 38.2	7 38.1	Jun 16	7 37.4	7 37.6
Aug 15	7 37.4	7 37.8	Jun 25	7 37.6	7 38.1	Jun 23	7 37.8	7 37.6
Aug 21	7 37.8	7 37.8	Jul 2	7 38.6	7 38.1	Jun 30	7 37.8	7 37.6
Aug 29	7 37.6	7 37.8	Jul 9	7 38.0	7 38.1	Jul 7	7 38.0	7 37.6
Sep 5	7 37.6	7 37.8	Jul 16	7 38.0	7 38.1	Jul 10	7 37.8	7 37.6
Sep 12	7 37.4	7 37.8	Jul 23	7 37.8	7 38.1	Jul 10	7 37.8	7 37.6
Sep 18	7 37.7	7 37.8	Jul 30	7 38.6	7 38.1	Jul 11	7 37.4	7 37.6
Sep 25	7 37.8	7 37.8	Aug 6	7 38.4	7 38.1	Jul 16	7 37.6	7 37.6
Oct 3	7 37.6	7 37.8	Aug 13	7 38.4	7 38.1	Jul 16	7 37.8	7 37.6
Oct 10	7 37.8	7 37.8	Aug 20	7 37.7	7 38.1	Jul 18	7 37.9	7 37.6
Oct 17	7 37.8	7 37.8	Aug 27	7 37.4	7 38.1	Jul 21	7 38.0	7 37.6
Oct 24	7 37.8	7 37.8	Sep 2[b]	7 38.5	7 38.0	Jul 21	7 38.1	7 37.6
Oct 30	7 37.6	7 37.8	Sep 2[b]	7 38.8	7 38.0	Jul 23	7 37.7	7 37.6
Nov 6	7 37.9	7 37.8	Sep 3[b]	7 38.0	7 38.0	Aug 3	7 37.4	7 37.5
Nov 14	7 37.6	7 37.8	Sep 3[b]	7 39.6	7 38.0	Aug 12	7 37.4	7 37.5
Nov 20	7 38.0	7 37.8	Sep 3[b]	7 40.0	7 38.0	Aug 18	7 37.1	7 37.5
Nov 28	7 37.8	7 37.8	Sep 3[b]	7 39.7	7 38.0	Aug 25	7 37.4	7 37.5
Dec 3	7 37.8	7 37.8	Sep 5[c]	7 38.2	7 38.0	Sep 1	7 37.6	7 37.5
Dec 10	7 37.8	7 37.8	Sep 6[c]	7 37.9	7 38.0	Sep 8	7 37.4	7 37.5
Dec 18	7 37.9	7 37.8	Sep 6[c]	7 37.8	7 38.0	Sep 15	7 37.4	7 37.5
Dec 24	7 37.7	7 37.8	Sep 11	7 38.4	7 38.0	Sep 21	7 37.2	7 37.5
Dec 31	7 38.0	7 37.8	Sep 17	7 38.4	7 38.0	Sep 29	7 37.2	7 37.5
			Sep 24	7 37.8	7 38.0	Oct 6	7 37.4	7 37.5
			Oct 1	7 37.7	7 37.9	Oct 13	7 37.3	7 37.5
			Oct 8	7 38.0	7 37.9	Oct 20	7 37.2	7 37.5
			Oct 15	7 38.0	7 37.9	Oct 29	7 37.4	7 37.5
			Oct 22	7 37.6	7 37.9	Oct 29	7 37.8	7 37.5
			Oct 29	7 37.7	7 37.9	Oct 29	7 37.1	7 37.5
			Nov 5	7 38.4	7 37.9	Nov 7	7 38.0	7 37.5
			Nov 12	7 37.6	7 37.9	Nov 10	7 38.4	7 37.5
			Nov 19	7 38.0	7 37.9	Nov 17	7 37.4	7 37.5
			Nov 26	7 37.8	7 37.9	Nov 24	7 37.6	7 37.5
			Dec 3	7 38.0	7 37.8	Dec 1	7 38.0	7 37.5
			Dec 11	7 37.0	7 37.8	Dec 9	7 37.6	7 37.5
			Dec 17	7 38.2	7 37.8	Dec 15	7 37.7	7 37.5
			Dec 23	7 37.3	7 37.8	Dec 22	7 38.2	7 37.5
			Dec 31	7 37.5	7 37.8	Dec 29	7 37.6	7 37.5

[a]Magnetograph not operating from March 27 to April 9, 1922, while clock was repaired in Lima
[b]During intercomparison observations, CIW Magnetometer No. 10 and CIW-Magnetometer-Inductor No. 25, at Stations E_m and W_m, Absolute Building ($E_m = W_m - 1'.7$)
[c]During determination of station-difference between "H.M.O. Frame" and Station E_m, Absolute Building

Table 6. Observed base-line values for the D variometer, and respective adopted values--Continued
(East declination)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1925	° ′	° ′	1926	° ′	° ′	1927	° ′	° ′
Jan 5	7 37.6	7 37.5	Jan 4	7 37.9	7 37.4	Jan 3	7 37.1	7 37.4
Jan 12	7 37.7	7 37.5	Jan 11	7 36.9	7 37.4	Jan 10	7 37.2	7 37.4
Jan 19	7 37.8	7 37.5	Jan 18	7 37.4	7 37.4	Jan 17	7 37.2	7 37.4
Jan 26	7 37.2	7 37.5	Jan 25	7 37.4	7 37.4	Jan 24	7 36.7	7 37.4
Feb 2	7 37.5	7 37.5	Jan 30	7 37.2	7 37.4	Jan 31	7 36.7	7 37.4
Feb 9	7 37.7	7 37.5	Feb 8	7 36.9	7 37.4	Feb 7	7 35.0	7 36.0
Feb 16	7 37.4	7 37.5	Feb 15	7 37.8	7 37.4	Feb 14	7 35.8	7 36.0
Feb 23	7 37.6	7 37.5	Feb 22	7 37.4	7 37.4	Feb 21	7 36.2	7 36.0
Mar 2	7 37.3	7 37.5	Mar 1	7 37.5	7 37.4	Feb 28	7 36.4	7 36.0
Mar 9	7 37.6	7 37.5	Mar 8	7 37.0	7 37.4	Mar 7	7 36.2	7 36.0
Mar 16	7 37.3	7 37.5	Mar 15	7 37.9	7 37.4	Mar 14	7 36.2	7 36.0
Mar 23	7 38.0	7 37.5	Mar 21	7 37.3	7 37.4	Mar 21	7 35.9	7 36.0
Mar 30	7 37.2	7 37.5	Mar 29	7 37.2	7 37.4	Mar 28	7 36.0	7 36.0
Apr 6	7 37.4	7 37.5	Apr 5	7 37.5	7 37.4	Apr 4	7 35.6	7 36.0
Apr 14	7 37.7	7 37.5	Apr 12	7 37.2	7 37.4	Apr 11	7 35.8	7 36.0
Apr 20	7 37.5	7 37.5	Apr 19	7 37.8	7 37.4	Apr 18	7 36.2	7 36.0
Apr 27	7 38.0	7 37.5	Apr 26	7 37.3	7 37.4	Apr 25	7 36.0	7 36.0
May 4	7 37.7	7 37.5	May 3	7 37.4	7 37.4	May 2	7 35.7	7 36.0
May 11	7 36.9	7 37.5	May 10	7 37.1	7 37.4	May 8	7 36.0	7 36.0
May 18	7 38.0	7 37.5	May 18	7 37.8	7 37.4	May 16	7 35.9	7 36.0
May 25	7 37.6	7 37.5	May 25	7 37.4	7 37.4	May 23	7 36.1	7 36.0
Jun 4	7 37.4	7 37.5	May 31	7 37.5	7 37.4	May 30	7 36.1	7 36.0
Jun 9	7 37.6	7 37.5	Jun 8	7 37.4	7 37.4	Jun 6	7 35.9	7 36.0
Jun 15	7 37.3	7 37.5	Jun 14	7 37.4	7 37.4	Jun 14	7 35.6	7 36.0
Jun 22	7 37.8	7 37.5	Jun 21	7 37.4	7 37.4	Jun 20	7 35.9	7 36.0
Jun 29	7 37.6	7 37.5	Jun 28	7 37.3	7 37.4	Jun 27	7 35.9	7 36.0
Jul 6	7 38.0	7 37.5	Jul 5	7 37.3	7 37.4	Jul 4	7 35.4	7 36.0
Jul 17	7 37.6	7 37.5	Jul 12	7 37.8	7 37.4	Jul 12	7 35.0	7 36.0
Jul 20	7 37.6	7 37.5	Jul 19	7 37.0	7 37.4	Jul 19	7 35.6	7 36.0
Jul 27	7 37.2	7 37.5	Jul 26	7 37.5	7 37.4	Jul 25	7 36.4	7 36.0
Aug 3	7 37.6	7 37.5	Aug 2	7 37.1	7 37.4	Aug 1	7 36.8	7 36.0
Aug 10	7 37.4	7 37.5	Aug 9	7 37.3	7 37.4	Aug 8	7 36.1	7 36.0
Aug 17	7 36.6	7 37.5	Aug 17	7 37.4	7 37.4	Aug 15	7 36.2	7 36.0
Aug 24	7 37.4	7 37.5	Aug 23	7 37.6	7 37.4	Aug 22	7 35.8	7 36.0
Aug 31	7 37.9	7 37.5	Aug 31	7 37.6	7 37.4	Aug 29	7 36.2	7 36.0
Sep 6	7 37.4	7 37.5	Sep 7	7 37.4	7 37.4	Sep 5	7 36.1	7 36.0
Sep 14	7 37.3	7 37.5	Sep 13	7 37.2	7 37.4	Sep 12	7 36.7	7 36.0
Sep 21	7 37.7	7 37.5	Sep 20	7 37.2	7 37.4	Sep 19	7 36.2	7 36.0
Sep 28	7 37.0	7 37.5	Oct 4	7 37.6	7 37.4	Sep 26	7 35.8	7 36.0
Oct 5	7 37.2	7 37.5	Oct 11	7 37.8	7 37.4	Oct 3	7 35.4	7 36.0
Oct 12	7 37.6	7 37.5	Oct 15	7 38.4	7 37.4	Oct 11	7 36.3	7 36.0
Oct 19	7 37.6	7 37.5	Oct 21	7 38.0	7 37.4	Oct 17	7 35.8	7 36.0
Oct 26	7 38.0	7 37.5	Oct 25	7 37.6	7 37.6	Oct 24	7 36.1	7 36.0
Nov 2	7 37.5	7 37.5	Nov 1	7 37.4	7 37.4	Oct 31	7 35.8	7 36.0
Nov 9	7 37.6	7 37.5	Nov 8	7 37.0	7 37.4	Nov 7	7 35.8	7 36.0
Nov 16	7 37.3	7 37.5	Nov 15	7 37.2	7 37.4	Nov 14	7 36.6	7 36.1
Nov 23	7 37.3	7 37.5	Nov 22	7 37.4	7 37.4	Nov 21	7 36.0	7 36.1
Nov 30	7 37.0	7 37.5	Nov 29	7 37.2	7 37.4	Nov 28	7 36.5	7 36.1
Dec 8	7 37.6	7 37.5	Dec 6	7 37.8	7 37.4	Dec 5	7 36.4	7 36.1
Dec 14	7 37.5	7 37.5	Dec 13	7 37.7	7 37.4	Dec 12	7 36.4	7 36.1
Dec 21	7 37.5	7 37.5	Dec 20	7 37.6	7 37.4	Dec 19	7 36.0	7 36.1
Dec 28	7 37.2	7 37.5	Dec 27	7 37.5	7 37.4	Dec 27	7 35.8	7 36.1

Table 6. Observed base-line values for the D variometer and respective adopted values--Continued
(East declination)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1928	° ′	° ′	1929	° ′	° ′	1930	° ′	° ′
Jan 2	7 37.0	7 36.2	Jan 7	7 35.6	7 36.0	Jan 7	7 37.0	7 37.5
Jan 9	7 35.9	7 36.2	Jan 15	7 35.9	7 36.0	Jan 14	7 37.6	7 37.5
Jan 16	7 36.8	7 36.2	Jan 21	7 36.6	7 36.0	Jan 22	7 37.9	7 37.5
Jan 23	7 37.0	7 36.2	Jan 24	7 35.8[a]	7 36.0	Jan 27	7 37.6	7 37.5
Jan 30	7 36.2	7 36.2	Jan 25	7 35.6[a]	7 36.0	Feb 3	7 26.6	7 26.5
Feb 6	7 36.6	7 36.3	Jan 25	7 36.6[a]	7 36.0	Feb 11	7 26.6	7 26.5
Feb 13	7 36.2	7 36.3	Jan 29	7 35.8[a]	7 36.0	Feb 20	7 26.4	7 26.5
Feb 20	7 36.6	7 36.3	Feb 11	7 35.9	7 36.0	Feb 24	7 27.0	7 26.5
Feb 27	7 36.8	7 36.3	Feb 19	7 36.0	7 36.0	Mar 4	7 26.4	7 26.5
Mar 5	7 36.4	7 36.3	Feb 26	7 36.1	7 36.0	Mar 10	7 27.6	7 26.5
Mar 13	7 36.1	7 36.3	Mar 4	7 36.0	7 36.0	Mar 18	7 26.1	7 26.4
Mar 20	7 36.6	7 36.3	Mar 14	7 35.5	7 36.0	Mar 25	7 26.6	7 26.4
Mar 27	7 36.7	7 36.3	Mar 19	7 36.2	7 36.0	Mar 31	7 26.0	7 26.4
Apr 2	7 36.4	7 36.3	Mar 26	7 36.1	7 36.0	Apr 7	7 26.5	7 26.4
Apr 10	7 36.2	7 36.3	Apr 2	7 36.2	7 36.1	Apr 14	7 26.1	7 26.4
Apr 17	7 36.0	7 36.3	Apr 8	7 36.0	7 36.1	Apr 24	7 26.2	7 26.4
Apr 25	7 36.4	7 36.3	Apr 15	7 35.8	7 36.1	Apr 28	7 26.5	7 26.4
May 1	7 36.8	7 36.4	Apr 22	7 36.4	7 36.1	May 8	7 25.8	7 26.3
May 7	7 36.6	7 36.4	Apr 29	7 36.0	7 36.1	May 13	7 26.0	7 26.3
May 15	7 36.4	7 36.4	May 6	7 36.4	7 36.1	May 21	7 26.8	7 26.3
May 22	7 37.1	7 36.4	May 15	7 36.1	7 36.1	May 26	7 26.6	7 26.3
May 30	7 36.7	7 36.4	May 20	7 36.0	7 36.1	Jun 5	7 26.4	7 26.2
Jun 4	7 36.6	7 36.4	May 28	7 35.7	7 36.1	Jun 9	7 26.0	7 26.2
Jun 11	7 36.4	7 36.4	Jun 4	7 35.8	7 36.1	Jun 20	7 26.0	7 26.0
Jun 20	7 36.3	7 36.4	Jun 12	7 36.2	7 36.1	Jun 24	7 26.4	7 26.0
Jun 26	7 36.1	7 36.4	Jun 17	7 36.2	7 36.1	Jul 3	7 25.4	7 25.8
Jul 2	7 36.6	7 36.4	Jun 25	7 36.2	7 36.1	Jul 8	7 26.0	7 25.7
Jul 10	7 36.6	7 36.4	Jul 3	7 35.8	7 36.1	Jul 14	7 25.4	7 25.6
Jul 16	7 37.3	7 36.4	Jul 8	7 36.0	7 36.1	Jul 22	7 26.3	7 25.5
Jul 24	7 36.0	7 36.4	Jul 15	7 36.2	7 36.1	Jul 30	7 25.3	7 25.4
Jul 31	7 36.7	7 36.4	Jul 22	7 36.2	7 36.2	Aug 6	7 25.6	7 25.3
Aug 7	7 35.6	7 36.4	Jul 29	7 36.6	7 36.2	Aug 13	7 25.3	7 25.2
Aug 13	7 36.4	7 36.4	Aug 5	7 36.9	7 36.3	Aug 18	7 25.2	7 25.1
Aug 21	7 36.6	7 36.4	Aug 12	7 35.6	7 36.3	Aug 28	7 25.4	7 25.0
Aug 28	7 36.3	7 36.4	Aug 14	7 37.8	7 36.3	Sep 5	7 25.1	7 24.9
Sep 4	7 36.5	7 36.4	Aug 20	7 36.4	7 36.4	Sep 8	7 25.4	7 24.8
Sep 10	7 36.4	7 36.4	Aug 26	7 36.2	7 36.4	Sep 16	7 25.4	7 24.7
Sep 18	7 36.5	7 36.4	Sep 2	7 36.4	7 36.5	Sep 22	7 25.0	7 24.7
Sep 24	7 36.1	7 36.3	Sep 10	7 36.8	7 36.5	Oct 2	7 23.9	7 24.5
Oct 1	7 36.2	7 36.3	Sep 20	7 36.8	7 36.6	Oct 8	7 24.4	7 24.5
Oct 15	7 36.6	7 36.3	Sep 24	7 36.3	7 36.6	Oct 13	7 24.6	7 24.5
Oct 22	7 36.4	7 36.3	Oct 1	7 36.5	7 36.7	Oct 21	7 24.5	7 24.5
Oct 30	7 36.0	7 36.3	Oct 9	7 36.4	7 36.7	Oct 29	7 24.2	7 24.5
Nov 5	7 36.2	7 36.2	Oct 15	7 36.8	7 36.7	Nov 4	7 24.8	7 24.5
Nov 13	7 36.4	7 36.2	Oct 22	7 36.2	7 36.8	Nov 11	7 24.6	7 24.5
Nov 19	7 36.3	7 36.2	Oct 28	7 35.8	7 36.8	Nov 18	7 24.1	7 24.5
Nov 26	7 36.0	7 36.2	Nov 7	7 35.8[b]	7 36.9	Nov 25	7 24.5	7 24.5
Dec 5	7 36.0	7 36.1	Nov 7	7 35.9[b]	7 36.9	Dec 2	7 24.6	7 24.5
Dec 10	7 35.7	7 36.1	Nov 7	7 36.2[b]	7 36.9	Dec 9	7 24.4	7 24.5
Dec 18	7 36.2	7 36.1	Nov 18	7 36.2	7 37.0	Dec 16	7 24.4	7 24.5
Dec 24	7 36.0	7 36.1	Nov 29	7 36.2	7 37.0	Dec 23	7 25.1	7 24.6
Dec 31	7 36.4	7 36.1	Dec 2	7 36.5	7 37.1	Dec 30	7 24.4	7 24.6
			Dec 10	7 37.0	7 37.2			
			Dec 18	7 37.4	7 37.3			
			Dec 24	7 37.8	7 37.4			
			Dec 30	7 37.4	7 37.4			

[a]During intercomparison observations with CIW Magnetometer-Inductor No. 24 (Carnegie Cruise VII)
[b]During intercomparison observations with CIW Magnetometer-Inductor No. 16

Table 6. Observed base-line values for the D variometer and respective adopted values--Continued

(East declination)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1931	° ′	° ′	1932	° ′	° ′	1933	° ′	° ′
Jan 6	7 25.0	7 24.7	Jan 5	7 25.7	7 25.7	Jan 3	7 13.2	7 13.1
Jan 13	7 25.0	7 24.7	Jan 12	7 25.8	7 25.8	Jan 10	7 13.3	7 13.1
Jan 20	7 24.6	7 24.7	Jan 19	7 26.1	7 25.8	Jan 17	7 13.6	7 13.1
Jan 27	7 24.9	7 24.7	Jan 26	7 26.2	7 25.9	Jan 24	7 13.1	7 13.1
Feb 3	7 24.5	7 24.7	Feb 2	7 25.8	7 26.0	Jan 31	7 13.2	7 13.1
Feb 10	7 24.4	7 24.7	Feb 9	7 25.9	7 26.0	Feb 7	7 12.9	7 13.2
Feb 17	7 24.8	7 24.7	Feb 16	7 14.0	7 13.9	Feb 14	7 13.4	7 13.3
Feb 24	7 24.5	7 24.7	Feb 23	7 13.5	7 13.9	Feb 21	7 13.6	7 13.4
Mar 3	7 24.4	7 24.7	Mar 1	7 14.0	7 13.9	Feb 28	7 13.6	7 13.4
Mar 10	7 24.8	7 24.7	Mar 8	7 14.0	7 13.9	Mar 7	7 13.5	7 13.4
Mar 17	7 25.0	7 24.7	Mar 15	7 13.9	7 13.8	Mar 14	7 13.5	7 13.4
Mar 24	7 24.7	7 24.7	Mar 22	7 13.8	7 13.8	Mar 21	7 13.2	7 13.4
Mar 31	7 24.5	7 24.7	Mar 29	7 14.9	7 13.7	Mar 28	7 13.2	7 13.4
Apr 7	7 24.6	7 24.7	Apr 5	7 14.6	7 13.6	Apr 4	7 13.0	7 13.4
Apr 14	7 24.7	7 24.7	Apr 12	7 14.4	7 13.5	Apr 11	7 13.8	7 13.5
Apr 21	7 24.8	7 24.7	Apr 19	7 13.0	7 13.5	Apr 18	7 13.8	7 13.5
Apr 28	7 24.7	7 24.7	Apr 26	7 13.6	7 13.4	Apr 25	7 13.5	7 13.5
May 5	7 24.4	7 24.7	May 3	7 13.2	7 13.4	May 3	7 14.5	7 13.5
May 12	7 24.8	7 24.8	May 10	7 13.4	7 13.4	May 9	7 13.4	7 13.6
May 19	7 24.5	7 24.8	May 17	7 12.9	7 13.5	May 16	7 13.6	7 13.6
May 26	7 25.0	7 24.8	May 24[a]	7 13.6	7 13.5	May 23	7 13.5	7 13.6
Jun 4	7 24.8	7 24.9	May 31	7 13.6	7 13.5	May 30	7 13.5	7 13.6
Jun 9	7 25.4	7 24.9	Jun 7	7 13.3	7 13.6	Jun 6	7 14.0	7 13.7
Jun 16	7 25.8	7 24.9	Jun 14	7 13.8	7 13.6	Jun 13	7 13.7	7 13.7
Jun 23	7 24.9	7 25.0	Jun 21	7 13.7	7 13.7	Jun 20	7 13.8	7 13.7
Jun 30	7 24.3	7 25.0	Jun 28	7 13.6	7 13.7	Jun 27	7 13.6	7 13.7
Jul 7	7 24.5	7 25.0	Jul 5	7 13.9	7 13.8	Jul 4	7 13.9	7 13.7
Jul 14	7 25.1	7 25.1	Jul 12	7 13.6	7 13.8	Jul 11	7 14.0	7 13.8
Jul 24	7 25.0	7 25.1	Jul 28	7 14.0	7 13.9	Jul 18	7 14.0	7 13.8
Jul 28	7 25.2	7 25.1	Aug 2	7 13.9	7 13.9	Jul 25	7 14.1	7 13.8
Aug 4	7 25.3	7 25.1	Aug 9	7 14.4	7 13.9	Aug 1	7 13.4	7 13.8
Aug 11	7 25.1	7 25.1	Aug 16	7 13.8	7 13.9	Aug 8	7 13.8	7 13.9
Aug 18	7 24.5	7 25.1	Aug 23	7 13.8	7 13.9	Aug 15	7 14.3	7 13.9
Aug 20	7 25.3	7 25.1	Aug 30	7 13.8	7 13.8	Aug 22	7 13.7	7 13.9
Aug 25	7 24.7	7 25.1	Sep 6	7 13.8	7 13.8	Aug 29	7 13.7	7 13.8
Sep 1	7 25.1	7 25.1	Sep 13	7 13.5	7 13.7	Sep 5	7 13.7	7 13.8
Sep 8	7 25.1	7 25.1	Sep 20	7 13.5	7 13.7	Sep 12	7 13.6	7 13.8
Sep 15	7 25.0	7 25.1	Sep 27	7 13.6	7 13.6	Sep 19	7 13.9	7 13.8
Sep 22	7 24.9	7 25.1	Oct 4	7 13.7	7 13.6	Sep 26	7 13.6	7 13.7
Sep 29	7 25.0	7 25.1	Oct 11	7 12.8	7 13.5	Oct 3	7 13.8	7 13.7
Oct 6	7 25.3	7 25.1	Oct 18[b]	7 13.6	7 13.4	Oct 10	7 13.8	7 13.7
Oct 13	7 25.0	7 25.1	Oct 25	7 13.4	7 13.4	Oct 17	7 13.3	7 13.6
Oct 20	7 25.1	7 25.1	Nov 1	7 13.3	7 13.3	Oct 24	7 13.8	7 13.6
Oct 27	7 25.5	7 25.1	Nov 8	7 12.7	7 13.3	Oct 31	7 13.8	7 13.6
Nov 3	7 24.8	7 25.1	Nov 15	7 13.1	7 13.2	Nov 7	7 13.6	7 13.6
Nov 10	7 25.1	7 25.1	Nov 22	7 13.0	7 13.2	Nov 14	7 13.2	7 13.5
Nov 17	7 25.3	7 25.2	Nov 29	7 13.2	7 13.1	Nov 21	7 13.6	7 13.5
Nov 24	7 25.7	7 25.3	Dec 6	7 13.0	7 13.1	Nov 28	7 13.5	7 13.5
Dec 1	7 25.2	7 25.4	Dec 13	7 12.7	7 13.1	Dec 5	7 13.4	7 13.5
Dec 8	7 25.2	7 25.4	Dec 21	7 12.7	7 13.1	Dec 12	7 13.7	7 13.4
Dec 15	7 25.5	7 25.5	Dec 27	7 12.6	7 13.1	Dec 19	7 13.4	7 13.4
Dec 22	7 25.4	7 25.6				Dec 26	7 13.2	7 13.4
Dec 29	7 25.4	7 25.6						

[a]During intercomparison observations with CIW Magnetometer-Inductor No. 26
[b]During intercomparison observations with CIW Magnetometer-Inductor No. 16

Table 6. Observed base-line values for the D variometer and respective adopted values--Concluded

(East declination)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1934	° ′	° ′	1934	° ′	° ′	1935	° ′	° ′
Jan 2	7 13.4	7 13.3	Sep 4	7 03.8	7 03.9	Apr 30	6 54.3	6 54.4
Jan 9	7 13.4	7 13.2	Sep 11	7 03.8	7 03.9	May 7	6 54.6	6 54.4
Jan 16	7 13.1	7 13.2	Sep 18	7 03.5	7 03.8	May 14	6 54.4	6 54.4
Jan 23	7 13.1	7 13.1	Sep 25	7 03.6	7 03.8	May 21	6 54.3	6 54.4
Jan 30	7 13.0	7 13.1	Oct 2	7 03.9	7 03.7	May 28[b]	6 54.3	6 54.4
Feb 6	7 13.0	7 13.1	Oct 9	7 03.7	7 03.6	Jun 4	6 52.9	6 52.9
Feb 13	7 13.2	7 13.1	Oct 16	7 03.5	7 03.6	Jun 11	6 52.7	6 52.9
Feb 20	7 13.3	7 13.2	Oct 23	7 03.5	7 03.5	Jun 18	6 52.8	6 52.9
Feb 27	7 13.3	7 13.3	Oct 30	7 03.4	7 03.5	Jun 25	6 52.8	6 52.9
Mar 6	7 13.3	7 13.3	Nov 6	7 03.7	7 03.7	Jul 2	6 53.0	6 52.9
Mar 13	7 13.4	7 13.4	Nov 13	7 04.0	7 03.9	Jul 9	6 52.9	6 52.9
Mar 20	7 13.5	7 13.4	Nov 20	7 04.1	7 04.1	Jul 16	6 52.8	6 52.9
Mar 27	7 13.4	7 13.4	Nov 27	7 04.5	7 04.3	Jul 23	6 53.4	6 52.9
Apr 3	7 13.3	7 13.4	Dec 4	7 04.6	7 04.4	Jul 30	6 52.9	6 52.9
Apr 10	7 13.4	7 13.3	Dec 11	7 04.3	7 04.4	Aug 6	6 53.0	6 52.9
Apr 17	7 13.3	7 13.3	Dec 18	7 04.0	7 04.3	Aug 13	6 52.6	6 52.7
Apr 24	7 13.4	7 13.3	Dec 24	7 03.9	7 04.2	Aug 20	6 52.8	6 52.7
May 1	7 13.1	7 13.3	Dec 31	7 04.6	7 04.2	Aug 27	6 52.7	6 52.7
May 9	7 13.3	7 13.3	1935			Sep 3	6 52.9	6 52.8
May 15	7 13.5	7 13.4	Jan 8	7 03.8	7 04.1	Sep 10	6 52.8	6 52.8
May 22	7 13.5	7 13.5	Jan 15	7 04.3	7 04.0	Sep 17	6 52.8	6 52.8
May 29	7 13.5	7 13.5	Jan 22	7 03.9	7 03.9	Sep 24	6 52.5	6 52.8
Jun 5	7 13.4	7 13.6	Jan 29[a]	7 03.8	7 03.9	Oct 1	6 52.8	6 52.8
Jun 12	7 13.8	7 13.6	Feb 5	7 11.2	7 11.2	Oct 8	6 52.8	6 52.8
Jun 19	7 13.6	7 13.7	Feb 12	7 11.3	7 11.2	Oct 15[c]	6 52.9	6 52.8
Jun 26	7 13.8	7 13.8	Feb 19	7 11.1	7 11.2	Oct 22	6 52.8	6 52.8
Jul 3	7 13.4	7 13.8	Feb 26	7 11.5	7 11.2	Oct 29	6 52.6	6 52.8
Jul 10	7 13.9	7 13.9	Mar 5	7 11.1	7 11.2	Nov 5	6 52.5	6 52.7
Jul 17	7 13.8	7 14.0	Mar 12	7 11.3	7 11.2	Nov 12	6 52.8	6 52.7
Jul 24	7 14.0	7 14.0	Mar 19	6 54.2	6 54.4	Nov 19	6 52.7	6 52.6
Jul 31	7 14.6	7 14.1	Mar 26	6 54.5	6 54.4	Nov 26	6 52.7	6 52.6
Aug 7	7 14.1	7 14.1	Apr 2	6 54.4	6 54.4	Dec 3	6 52.5	6 52.5
Aug 14	7 14.4	7 14.1	Apr 10	6 54.2	6 54.4	Dec 10	6 52.4	6 52.5
Aug 21	7 13.8	7 14.1	Apr 16	6 54.4	6 54.4	Dec 17	6 52.4	6 52.4
Aug 28	7 13.8	7 14.0	Apr 23	6 54.3	6 54.4	Dec 24	6 52.6	6 52.4
						Dec 31	6 52.2	6 52.4

[a]On January 30-31, 1935, variometers were elevated by stone slabs, and Helmholtz coils were installed on D and H variometers. (Helmholtz coil on Z variometer previously installed on April 5, 1933.) During the interval of 14h, January 31, to 19h, February 1, hourly values were obtained from la Cour magnetogram

[b]On June 1, 1935, orientation tests of variometer magnets were made

[c]On October 18, 1935, necessary alterations were made to CIW Magnetograph No. 2 for 110-volt power supply (previously 32-volt)

Table 7. Abrupt changes in the adopted D base-line value

(East declination reckoned as positive; changes below taken algebraically)

Date	Change from preceding value	Cause of change
	′	
Apr 9, 1922	+ 0.5	After repairs to magnetograph clock
Feb 5, 1927	- 1.4	Adjusted D base-line mirror
Jan 31, 1930	- 11.0	Position of base line changed
Feb 16, 1932	- 12.1	Position of base line changed
Aug 31, 1934	- 10.1	D-magnet frame removed to install new mirrors
Jan 31, 1935	+ 7.3	After installation of Helmholtz coil for determining D scale values
May 31, 1935	- 1.5	After adjusting magnetic axis of Z-magnet to the horizontal
Aug 12, 1935	- 0.2	After cleaning and adjustment of Z-variometer

Table 8. Observed base-line values at 15° C for the H variometer, and respective adopted values

Eschenhagen Magnetograph

(Observed value determined with Magnetometer No. 10)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1922	γ	γ	1923	γ	γ	1924	γ	γ
Mar 2	29559	29553	Jan 8	29666	29659	Jan 8	29676	29676
Mar 8	29553	29553	Jan 15	29664	29659	Jan 15	29683	29676
Mar 15	29546	29553	Jan 22	29662	29659	Jan 21	29683	29676
Mar 21[a]	29656	29659	Jan 29	29654	29660	Jan 28	29671	29677
Apr 11	29649	29646	Feb 5	29658	29660	Feb 4	29676	29677
Apr 18	29646	29646	Feb 12	29666	29660	Feb 11	29688	29677
Apr 25	29654	29647	Feb 20	29658	29661	Feb 18	29683	29678
May 3	29647	29647	Feb 27	29663	29661	Feb 25	29687	29678
May 9	29650	29647	Mar 5	29660	29661	Mar 2	29690	29678
May 16	29645	29648	Mar 12	29663	29662	Mar 9	29678	29678
May 18	29662	29648	Mar 19	29663	29662	Mar 18	29666	29679
Jun 1	29640	29648	Mar 26	29662	29662	Mar 25	29679	29679
Jun 6	29650	29649	Apr 2	29663	29663	Mar 31	29671	29679
Jun 13	29653	29649	Apr 9	29670	29663	Apr 8	29681	29680
Jun 20	29645	29649	Apr 16	29668	29663	Apr 14	29694	29680
Jun 27	29642	29650	Apr 23	29663	29663	Apr 21	29685	29680
Jul 4	29648	29650	May 7	29662	29664	Apr 28	29687	29681
Jul 10	29657	29650	May 14	29656	29664	May 5	29669	29681
Jul 16	29643	29650	May 21	29669	29665	May 12	29684	29681
Jul 24	29656	29651	May 28	29667	29665	May 19	29683	29682
Aug 1	29652	29651	Jun 4	29668	29665	May 26	29694	29682
Aug 8	29658	29651	Jun 11	29671	29666	Jun 2	29682	29682
Aug 15	29647	29652	Jun 18	29665	29666	Jun 9	29679	29683
Aug 21	29654	29652	Jun 25	29661	29666	Jun 16	29684	29683
Aug 29	29648	29652	Jul 2	29662	29667	Jun 23	29687	29683
Sep 5	29648	29653	Jul 9	29675	29667	Jun 30	29681	29684
Sep 12	29645	29653	Jul 16	29680	29667	Jul 7	29681	29684
Sep 18	29652	29653	Jul 23	29670	29668	Jul 10[d]	29687	29684
Sep 25	29641	29654	Jul 30	29671	29668	Jul 10[d]	29691	29684
Oct 3	29652	29654	Aug 6	29675	29668	Jul 11[d]	29684	29684
Oct 10	29667	29654	Aug 13	29663	29669	Jul 18[d]	29683	29685
Oct 17	29650	29655	Aug 20	29654	29669	Jul 21[d]	29678	29685
Oct 24	29656	29655	Aug 27	29676	29669	Jul 21[d]	29680	29685
Oct 30	29662	29655	Sep 2	29653[b]	29670	Jul 23[d]	29678	29685
Nov 6	29655	29656	Sep 2	29659[b]	29670	Aug 3	29683	29685
Nov 14	29660	29656	Sep 3	29672[b]	29670	Aug 12	29692	29686
Nov 20	29651	29656	Sep 3	29667[b]	29670	Aug 9	29688	29686
Nov 28	29650	29657	Sep 3	29670[b]	29670	Aug 25	29686	29686
Dec 3	29655	29657	Sep 4	29676[b]	29670	Sep 1	29681	29687
Dec 10	29658	29657	Sep 5	29666[c]	29670	Sep 8	29685	29687
Dec 18	29653	29658	Sep 5	29670[c]	29670	Sep 15	29703	29687
Dec 24	29657	29658	Sep 6	29662[c]	29670	Sep 21	29697	29688
Dec 31	29657	29658	Sep 6	29671[c]	29670	Sep 29	29691	29688
			Sep 11	29664	29670	Oct 13	29680	29689
			Sep 17	29658	29670	Oct 20	29692	29689
			Sep 24	29667	29671	Oct 29[e]	29697	29689
			Oct 1	29685	29671	Oct 29[e]	29691	29689
			Oct 8	29677	29671	Oct 30[e]	29704	29689
			Oct 15	29690	29672	Nov 7	29694	29690
			Oct 22	29662	29672	Nov 10	29681	29690
			Oct 29	29674	29672	Nov 17	29695	29690
			Nov 5	29664	29673	Nov 24	29694	29691
			Nov 12	29682	29673	Dec 9	29692	29691
			Nov 19	29679	29673	Dec 15	29690	29692
			Nov 26	29673	29674	Dec 22	29694	29692
			Dec 3	29673	29674	Dec 29	29691	29692
			Dec 11	29659	29674			
			Dec 17	29675	29675			
			Dec 23	29665	29675			
			Dec 31	29671	29675			

[a]Magnetograph not operating from March 27 to April 9, 1922, while clock was repaired in Lima

[b]During intercomparison observations, CIW Magnetometer No. 10 and CIW Magnetometer-Inductor No. 25, at stations E_m and W_m, Absolute Building ($E_m = W_m + 3.2\gamma$)

[c]During determination of station difference between "H. M. O. Frame" and station E_m, Absolute Building

[d]During intercomparison observations with CIW Magnetometer-Inductor No. 28, July 10-23, 1924

[e]During intercomparison observations with CIW Magnetometer-Inductor No. 27, October 29-31, 1924

Table 8. Observed base-line values at 15° C for the H variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1925	γ	γ	1926	γ	γ	1927	γ	γ
Jan 5	29692	29693	Jan 4	29709	29703	Jan 3	29514	29517
Jan 12	29699	29693	Jan 11	29712	29704	Jan 10	29519	29517
Jan 20	29699	29693	Jan 18	29699	29704	Jan 17	29517	29518
Jan 26	29698	29694	Jan 25	29696	29704	Jan 24	29517	29518
Feb 2	29683	29694	Jan 30	29553	29549	Jan 31	29525	29518
Feb 9	29689	29694	Feb 15	29545	29549	Feb 7	29518	29519
Feb 16	29715	29695	Feb 22	29549	29550	Feb 14	29513	29519
Feb 23	29694	29695	Mar 1	29553	29550	Feb 21	29531	29519
Mar 2	29687	29695	Mar 2	29630	29629	Feb 28	29518	29520
Mar 9	29699	29695	Mar 8	29624	29630	Mar 7	29523	29520
Mar 16	29687	29696	Mar 15	29621	29630	Mar 14	29527	29520
Mar 23	29686	29696	Mar 21	29628	29630	Mar 21	29522	29521
Mar 30	29698	29696	Mar 29	29629	29631	Mar 28	29512	29521
Apr 6	29697	29697	Apr 5	29631	29631	Apr 4	29529	29521
Apr 14	29693	29697	Apr 12	29630	29631	Apr 11	29528	29522
Apr 20	29676	29697	Apr 19	29626	29631	Apr 18	29511	29522
Apr 28	29700	29698	Apr 26	29640	29632	Apr 25	29531	29522
May 4	29703	29698	May 3	29628	29632	May 2	29506	29523
May 11	29709	29698	May 10	29637	29632	May 9	29523	29523
May 18	29710	29699	May 18	29644	29633	May 16	29512	29523
May 25	29703	29699	May 25	29636	29633	May 23	29508	29524
Jun 4	29701	29700	May 31	29636	29633	May 30	29529	29524
Jun 9	29698	29700	Jun 8	29639	29634	Jun 6	29522	29524
Jun 15	29698	29700	Jun 14	29642	29634	Jun 14	29517	29525
Jun 22	29694	29700	Jun 21	29637	29634	Jun 20	29522	29525
Jun 29	29709	29701	Jun 28	29638	29635	Jun 27	29516	29525
Jul 6	29693	29701	Jul 5	29635	29635	Jul 4	29527	29525
Jul 17	29694	29702	Jul 12	29635	29635	Jul 12	29527	29526
Jul 20	29706	29702	Jul 19	29637	29636	Jul 19	29599	29597
Jul 27	29703	29702	Jul 26	29650	29636	Jul 25	29598	29598
Aug 3	29695	29702	Aug 2	29643	29636	Aug 1	29590	29598
Aug 10	29691	29703	Aug 9	29635	29637	Aug 8	29605	29598
Aug 17	29702	29703	Aug 17	29622	29637	Aug 15	29604	29599
Aug 24	29714	29703	Aug 23	29636	29637	Aug 22	29592	29599[a]
Aug 31	29713	29704	Aug 31	29635	29638	Aug 29	29595	29601
Sep 6	29709	29704	Sep 7	29629	29638	Sep 5	29617	29601
Sep 14	29697	29704	Sep 13	29634	29638	Sep 12	29599	29601
Sep 21	29704	29705	Sep 20	29631	29638	Sep 19	29593	29601
Sep 28	29694	29705	Oct 4	29641	29639	Sep 26	29601	29601
Oct 5	29704	29705	Oct 11	29635	29640	Oct 3	29579	29601
Oct 12	29701	29706	Oct 15	29491	29491	Oct 11	29596	29601
Oct 26	29687	29700	Oct 18	29778	29778	Oct 17	29600	29601
Nov 2	29705	29700	Oct 25	29528	29514	Oct 24	29605	29601
Nov 9	29700	29701	Nov 1	29516	29514	Oct 31	29609	29601
Nov 16	29705	29701	Nov 8	29526	29514	Nov 7	29602	29601
Nov 23	29699	29701	Nov 15	29519	29515	Nov 14	29598	29601
Nov 30	29707	29702	Nov 22	29502	29515	Nov 21	29645	29638
Dec 8	29699	29702	Nov 29	29514	29515	Nov 28	29637	29638
Dec 14	29694	29702	Dec 6	29525	29516	Dec 5	29638	29638
Dec 21	29704	29703	Dec 13	29516	29516	Dec 7	29638	29638
Dec 28	29707	29703	Dec 20	29524	29516	Dec 12	29630	29638
						Dec 16	29639	29628
						Dec 19	29630	29628
						Dec 27	29608	29627
						Dec 30	29639	29627

[a]From 16h, August 23, to 19h, August 24, 1927, adopted base line 29573

Table 8. Observed base-line values at 15 ° C for the H variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1928	γ	γ	1929	γ	γ	1930	γ	γ
Jan 6	29642	29626	Jan 7	29546	29547	Jan 7	29510	29526
Jan 9	29627	29626	Jan 15	29547	29546	Jan 14	29536	29526
Jan 16	29609	29625	Jan 22	29546	29546	Jan 22	29512	29526
Jan 26	29620	29624	Jan 24[a]	29549	29546	Jan 27	29503	29525
Jan 30	29565	29574	Jan 25[a]	29558	29546	Feb 3	29527	29525
Feb 6	29566	29574	Jan 25[a]	29544	29546	Feb 11	29516	29525
Feb 13	29569	29573	Jan 26[a]	29532	29546	Feb 20	29531	29524
Feb 20	29585	29573	Jan 26[a]	29552	29546	Feb 24	29514	29524
Feb 27	29575	29572	Jan 26[a]	29547	29546	Mar 4	29534	29524
Mar 5	29578	29571	Jan 29[a]	29549	29545	Mar 10	29511	29524
Mar 13	29573	29571	Feb 11	29543	29545	Mar 18	29520	29523
Mar 20	29576	29570	Feb 19	29555	29544	Mar 25	29530	29523
Mar 27	29563	29569	Feb 20	29549	29544	Mar 31	29526	29523
Apr 3	29575	29569	Feb 26	29528	29544	Apr 7	29524	29522
Apr 10	29570	29568	Mar 4	29546	29543	Apr 14	29541	29522
Apr 17	29571	29567	Mar 14	29542	29543	Apr 24	29516	29522
Apr 25	29558	29567	Mar 19	29558	29542	Apr 28	29523	29522
May 1	29569	29566	Mar 26	29543	29542	May 8	29518	29521
May 7	29563	29566	Apr 3	29542	29541	May 13	29519	29521
May 15	29561	29565	Apr 8	29553	29541	May 21	29514	29521
May 25	29566	29564	Apr 15	29545	29540	May 26	29517	29521
May 30	29575	29564	Apr 22	29515	29540	Jun 5	29515	29520
Jun 5	29568	29563	Apr 29	29536	29540	Jun 9	29521	29520
Jun 11	29543	29563	May 6	29539	29539	Jun 20	29519	29520
Jun 20	29555	29562	May 15	29533	29539	Jun 24	29523	29520
Jun 26	29580	29562	May 20	29547	29538	Jul 3	29523	29519
Jul 2	29565	29561	May 28	29539	29538	Jul 8	29533	29519
Jul 10	29552	29560	Jun 4	29538	29537	Jul 14	29521	29519
Jul 17	29553	29560	Jun 12	29515	29537	Jul 22	29520	29519
Jul 24	29554	29559	Jun 17	29543	29537	Jul 30	29515	29518
Jul 31	29582	29559	Jun 25	29531	29536	Aug 6	29521	29518
Aug 7	29557	29558	Jul 2	29540	29536	Aug 13	29517	29518
Aug 13	29559	29558	Jul 9	29543	29535	Aug 18	29522	29518
Aug 21	29560	29557	Jul 15	29538	29535	Aug 28	29527	29518
Aug 28	29538	29557	Jul 22	29544	29535	Sep 5	29511	29517
Sep 4	29558	29556	Jul 29	29528	29534	Sep 8	29525	29517
Sep 10	29560	29556	Aug 5	29529	29534	Sep 16	29513	29517
Sep 18	29540	29555	Aug 7	29542	29534	Sep 22	29517	29517
Sep 24	29558	29555	Aug 12	29528	29534	Oct 2	29513	29517
Oct 1	29537	29554	Aug 20	29539	29533	Oct 8	29515	29516
Oct 9	29530	29553	Aug 26	29531	29533	Oct 13	29518	29516
Oct 15	29562	29553	Sep 2	29534	29532	Oct 21	29512	29516
Oct 22	29527	29552	Sep 10	29538	29532	Oct 29	29518	29516
Oct 30	29543	29552	Sep 18	29539	29532	Nov 4	29512	29516
Nov 5	29540	29551	Sep 24	29559	29531	Nov 11	29510	29516
Nov 13	29550	29551	Sep 26	29535	29531	Nov 18	29506	29515
Nov 19	29543	29550	Oct 1	29529	29531	Nov 25	29517	29515
Nov 27	29552	29550	Oct 9	29538	29530	Dec 2	29517	29515
Dec 4	29552	29549	Oct 15	29534	29530	Dec 9	29508	29515
Dec 10	29563	29549	Oct 22	29525	29530	Dec 16	29521	29515
Dec 18	29556	29548	Oct 28	29534	29530	Dec 23	29523	29515
Dec 24	29556	29548	Nov 8[b]	29521	29529	Dec 30	29511	29514
Dec 31	29556	29547	Nov 8[b]	29521	29529			
			Nov 9[b]	29529	29529			
			Nov 9[b]	29535	29529			
			Nov 10[b]	29529	29529			
			Nov 10[b]	29533	29529			
			Nov 21	29540	29528			
			Nov 29	29524	29528			
			Dec 2	29527	29528			
			Dec 10	29519	29528			
			Dec 18	29527	29527			
			Dec 24	29523	29527			
			Dec 30	29529	29527			

[a]During intercomparison observations with CIW Magnetometer-Inductor No. 24, January 24-29, 1929
[b]During intercomparison observations with CIW Magnetometer-Inductor No. 16, November 8-10, 1929

Table 8. Observed base-line values at 15° C for the H variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1931	γ	γ	1932	γ	γ	1933	γ	γ
Jan 6	29530	29514	Jan 5	29503	29503	Jan 3	29500	29496
Jan 13	29515	29514	Jan 12	29515	29502	Jan 10	29497	29496
Jan 20	29514	29514	Jan 19	29502	29502	Jan 17	29496	29496
Jan 27	29519	29513	Jan 26	29503	29502	Jan 24	29495	29496
Feb 3	29502	29513	Feb 2	29497	29502	Jan 31	29492	29496
Feb 10	29505	29513	Feb 9	29505	29502	Feb 7	29494	29496
Feb 17	29497	29513	Feb 16	29498	29501	Feb 14	29493	29496
Feb 24	29515	29512	Feb 23	29502	29501	Feb 21	29504	29496
Mar 3	29507	29512	Mar 1	29495	29501	Feb 28	29501	29496
Mar 10	29510	29512	Mar 8	29496	29501	Mar 7	29499	29496
Mar 17	29510	29511	Mar 15	29506	29501	Mar 14	29506	29496
Mar 24	29518	29511	Mar 22	29495	29501	Mar 21	29503	29496
Mar 31	29511	29511	Mar 29	29507	29500	Mar 28	29498	29496
Apr 7	29508	29511	Apr 5	29528	29500	Apr 4	29496	29496
Apr 14	29512	29511	Apr 12	29534	29500	Apr 11	29495	29496
Apr 21	29503	29510	Apr 19	29499	29500	Apr 18	29495	29496
Apr 28	29513	29510	Apr 26	29486	29500	Apr 25	29509	29496
May 5	29508	29510	May 3	29503	29500	May 3	29498	29496
May 12	29504	29510	May 10	29495	29499	May 9	29506	29496
May 19	29506	29510	May 17	29499	29499	May 16	29507	29496
May 26	29515	29509	May 24[b]	29507	29499	May 23	29502	29496
Jun 4	29507	29509	May 31	29496	29499	May 30	29503	29496
Jun 9	29494	29509	Jun 7	29489	29499	Jun 6	29494	29496
Jun 16	29496	29509	Jun 14	29502	29499	Jun 13	29497	29496
Jun 23	29506	29508	Jun 21	29489	29499	Jun 20	29495	29496
Jun 30	29492	29508	Jun 28	29489	29498	Jun 27	29490	29496
Jul 7	29502	29508	Jul 5	29495	29498	Jul 4	29487	29496
Jul 14	29494	29508	Jul 12	29495	29498	Jul 11	29496	29496
Jul 21	29498	29508	Jul 28	29494	29498	Jul 18	29506	29496
Jul 28	29501	29507	Aug 2	29498	29498	Jul 25	29490	29496
Aug 4	29511	29507[a]	Aug 9	29490	29498	Aug 1	29496	29496
Aug 11	29514	29507	Aug 16	29503	29498	Aug 8	29498	29496
Aug 18	29506	29507	Aug 23	29500	29497	Aug 15	29499	29496
Aug 25	29496	29506	Aug 30	29494	29497	Aug 22	29495	29496
Sep 1	29508	29506	Sep 6	29497	29497	Aug 29	29505	29496
Sep 8	29505	29506	Sep 13	29496	29497	Sep 5	29492	29496
Sep 15	29510	29506	Sep 20	29500	29497	Sep 12	29505	29496
Sep 22	29503	29505	Sep 27	29494	29497	Sep 19	29488	29496
Sep 29	29499	29505	Oct 4	29504	29497	Sep 26	29500	29496
Oct 6	29508	29505	Oct 11	29491	29497	Oct 3	29494	29496
Oct 13	29515	29505	Oct 18[c]	29490	29497	Oct 10	29494	29496
Oct 20	29515	29505	Oct 25	29498	29497	Oct 17	29502	29496
Oct 27	29498	29504	Nov 1	29492	29497	Oct 24	29497	29496
Nov 3	29512	29504	Nov 8	29489	29497	Oct 31	29488	29496
Nov 10	29512	29504	Nov 15	29500	29497	Nov 7	29500	29496
Nov 17	29493	29504	Nov 22	29500	29496	Nov 14	29491	29496
Nov 24	29498	29504	Nov 29	29488	29496	Nov 21	29494	29496
Dec 1	29510	29503	Dec 6	29496	29496	Nov 28	29492	29496
Dec 8	29507	29503	Dec 13	29492	29496	Dec 5	29492	29496
Dec 15	29497	29503	Dec 23	29503	29496	Dec 12	29501	29496
Dec 22	29506	29503	Dec 27	29507	29496	Dec 19	29498	29496
Dec 29	29519	29503				Dec 26	29482	29496

[a]From 18h, August 8, to 18h, August 9, 1931, adopted base line, 29512
[b]During intercomparison observations with CIW Magnetometer-Inductor No. 26, May 23-25, 1932
[c]During intercomparison observations with CIW Magnetometer-Inductor No. 16, October 18-20, 1932

Table 8. Observed base-line values at 15° C for the H variometer, and respective adopted values--Concluded

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1934	γ	γ	1934	γ	γ	1935	γ	γ
Jan 2	29502	29497	Sep 4	29489	29490	May 14	29485	29491
Jan 9	29489	29497	Sep 11	29485	29490	May 21	29486	29490
Jan 16	29499	29497	Sep 18	29496	29490	May 28[b]	29490	29490
Jan 23	29497	29496	Sep 25	29490	29489	Jun 4	29497	29489
Jan 30	29500	29496	Oct 2	29495	29489	Jun 11	29484	29489
Feb 6	29497	29496	Oct 9	29488	29489	Jun 18	29486	29488
Feb 13	29501	29496	Oct 16	29487	29489	Jun 25	29488	29488
Feb 20	29498	29496	Oct 23	29488	29489	Jul 2	29488	29487
Feb 27	29494	29495	Oct 30	29492	29489	Jul 9	29486	29487
Mar 6	29495	29495	Nov 6	29481	29488	Jul 16	29484	29486
Mar 13	29496	29495	Nov 20	29491	29488	Jul 23	29488	29486
Mar 20	29491	29495	Nov 27	29479	29488	Jul 30	29481	29486
Mar 27	29499	29495	Dec 11	29484	29487	Aug 6	29480	29486
Apr 3	29494	29494	Dec 18	29485	29487	Aug 13	29486	29486
Apr 10	29498	29494	Dec 24	29490	29487	Aug 20	29494	29486
Apr 17	29490	29494	Dec 31	29479	29487	Aug 27	29486	29486
Apr 24	29500	29494	1935			Sep 3	29484	29487
May 1	29498	29494	Jan 8	29488	29487	Sep 10	29499	29487
May 9	29483	29493	Jan 15	29479	29486	Sep 17	29488	29487
May 15	29498	29493	Jan 22	29488	29486	Sep 24	29474	29487
May 22	29503	29493	Jan 29[a]	29492	29486	Oct 1	29490	29488
May 29	29489	29493	Feb 5	29436	29436	Oct 8	29488	29488
Jun 5	29499	29493	Feb 12	29486	29493	Oct 15[c]	29498	29488
Jun 12	29494	29492	Feb 19	29490	29493	Oct 22	29487	29488
Jun 19	29493	29492	Feb 26	29486	29493	Oct 29	29481	29488
Jun 26	29495	29492	Mar 5	29493	29493	Nov 5	29486	29488
Jul 3	29489	29492	Mar 12	29492	29493	Nov 12	29487	29488
Jul 10	29489	29492	Mar 19	29497	29493	Nov 19	29494	29488
Jul 17	29482	29491	Mar 26	29492	29493	Nov 26	29477	29488
Jul 24	29492	29491	Apr 2	29497	29493	Dec 3	29486	29488
Jul 31	29485	29491	Apr 10	29502	29493	Dec 10	29492	29488
Aug 7	29488	29491	Apr 16	29492	29492	Dec 17	29490	29488
Aug 14	29490	29491	Apr 23	29496	29492	Dec 24	29486	29488
Aug 21	29484	29490	Apr 30	29492	29492	Dec 31	29486	29488
Aug 28	29500	29490	May 7	29488	29491			

[a]On January 30-31, 1935, variometers were elevated by stone slabs, and Helmholtz coils were installed on D and H variometers. (Helmholtz coil on Z variometer previously installed on April 5, 1933.) During the interval of 14h, January 31, to 19h, February 1, hourly values were obtained from la Cour magnetogram.
[b]On June 1, 1935, orientation tests of variometer magnets were made.
[c]On October 18, 1935, necessary alterations were made to CIW Magnetograph No. 2 for 110-volt power supply (previously 32-volt)

Table 9. Abrupt changes in the adopted H base-line value

(Horizontal intensity is reckoned as positive; changes below taken algebraically)

Date	Change from preceding value	Cause of change
	γ	
Mar 16, 1922	+106	Torsion head changed to adjust trace
Apr 9, 1922	- 13	After repairs to magnetograph clock
Oct 17, 1925	- 6	After releasing H-magnet caught by fixed mirror
Jan 26, 1926	-155	After releasing H-magnet and changing torsion head
Mar 1, 1926	+ 79	Torsion head changed so reserve spot recorded at times when regular spot went off top of magnetogram
Oct 14, 1926	-149	Torsion head changed to adjust trace
Oct 15, 1926	+287	Torsion head changed to adjust trace
Oct 22, 1926	-264	After installation of new Z variometer and adjustment of trace
Jul 17, 1927	+ 71	After adjustment of H- and Z-traces
Aug 23, 1927	- 26	After attaching bars for temperature compensation magnets on H variometer
Aug 24, 1927	+ 28	After mounting temperature compensation magnets on H variometer
Nov 14, 1927	+ 37	After readjusting temperature compensation magnets on H variometer
Dec 14, 1927	- 10	Distances of temperature compensation magnets and torsion head changed
Jan 29, 1928	- 50	Re-set temperature compensation magnets and torsion head
Aug 8, 1931	+ 5	Position of base line changed
Aug 9, 1931	- 5	Position of base line changed
Feb 1, 1935	- 50	After installation of Helmholtz coils on D- and H-variometers
Feb 5, 1935	+ 57	Torsion head changed so recordings obtained of regular spot

Table 10. Observed base-line values at 20° C for the Z variometer, and respective adopted values

Eschenhagen Magnetograph

(Based on inclination observations with Earth Inductor No. 5)

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1922	γ	γ	1923	γ	γ	1924	γ	γ
Mar 2	-131	-143	Jan 8	+104	+106	Jan 8	+234	+233
Mar 8	-133	-141	Jan 15	107	106	Jan 15	230	233
Mar 15	-165	-173	Jan 22	145	156	Jan 21	238	232
Mar 21[a]	+ 39	+ 36	Jan 29	155	155	Jan 22	185	178
Apr 11	8	14	Feb 5	155	155	Jan 28	176	177
Apr 18	15	16	Feb 12	155	155	Feb 4	178	177
Apr 25	38	36	Feb 20	151	161	Feb 11	176	176
May 3	68	68	Feb 27	169	161	Feb 18	175	175
May 9	72	70	Mar 5	165	167	Feb 25	173	170
May 16	69	65	Mar 12	166	167	Mar 2	172	170
May 23	71	67	Mar 19	167	168	Mar 9	166	169
Jun 1	87	87	Mar 26	167	169	Mar 18	149	151
Jun 6	91	88	Apr 2	135	131	Mar 25	144	151
Jun 13	91	90	Apr 9	127	130	Mar 31	152	150
Jun 20	86	92	Apr 16	133	130	Apr 8	149	149
Jun 27	96	99	Apr 23	136	139	Apr 14	148	150
Jul 1	112	114	Apr 30	160	156	Apr 21	134	139
Jul 4	128	139	May 7	134	137	Apr 28	136	140
Jul 10	139	140	May 14	141	138	May 5	146	142
Jul 16	148	142	May 21	131	128	May 12	142	144
Jul 24	147	143	May 28	128	129	May 19	140	134
Aug 1	122	122	Jun 4	130	131	May 26	135	136
Aug 8	126	122	Jun 11	127	132	Jun 2	140	138
Aug 15	129	122	Jun 18	139	133	Jun 9	136	139
Aug 21	121	122	Jun 25	130	135	Jun 16	150	137
Aug 29	112	113	Jul 2	134	136	Jun 23	141	139
Sep 5	120	122	Jul 9	137	138	Jun 24	140	139
Sep 12	127	122	Jul 16	141	139	Jun 30	138	140
Sep 18	117	122	Jul 23	137	138	Jul 7	144	142
Sep 25	123	122	Jul 30	141	139	Jul 25[d]	137	133
Oct 3	113	122	Aug 6	142	141	Jul 25[d]	144	133
Oct 10	123	122	Aug 13	143	141	Jul 25[d]	130	133
Oct 17	122	123	Aug 20	249	250	Jul 25[d]	134	133
Oct 24	116	119	Aug 27	220	222	Jul 25[d]	128	133
Oct 30	116	121	Sep 4[b]	225	223	Jul 26[d]	134	133
Nov 6	120	130	Sep 4[b]	218	223	Jul 26[d]	130	133
Nov 14	133	130	Sep 4[b]	221	223	Jul 26[d]	136	133
Nov 20	135	133	Sep 6[c]	229	224	Jul 28[d]	132	133
Nov 28	132	133	Sep 6[c]	225	224	Jul 28[d]	134	133
Dec 3	132	133	Sep 6[c]	219	224	Jul 28[d]	130	133
Dec 10	131	133	Sep 11	227	225	Aug 3	116	132
Dec 18	134	133	Sep 17	233	226	Aug 12	134	131
Dec 24	132	129	Sep 24	207	201	Aug 20	230	227
Dec 31	119	117	Oct 1	198	202	Aug 26	200	199
			Oct 8	204	203	Sep 1	196	199
			Oct 15	204	205	Sep 8	208	198
			Oct 22	264	264	Sep 16	181	191
			Oct 29	259	264	Sep 17	177	197
			Nov 5	258	263	Sep 21	193	189
			Nov 12	271	269	Sep 29	191	188
			Nov 19	230	228	Sep 30	188	188
			Nov 26	244	243	Oct 6	185	188
			Dec 3	235	242	Oct 13	177	184
			Dec 11	240	241	Oct 17	394	391
			Dec 17	241	241	Oct 20	396	391
			Dec 23	233	230	Oct 27	388	390
			Dec 31	229	229	Nov 5[e]	370	374
						Nov 5[e]	376	374
						Nov 10	357	373
						Nov 17	362	356
						Nov 24	342	365
						Dec 1	352	364
						Dec 9	349	363
						Dec 15	386	362
						Dec 22	387	363
						Dec 29	363	363

[a]Magnetograph not operating from March 27 to April 9, 1922, while clock was repaired in Lima

[b]During intercomparison observations, CIW Earth Inductor No. 5 and CIW Magnetometer-Inductor No. 25, at Stations E_m and W_m, Absolute Building ($W_m = E_m + 0'.40$), September 4-5, 1923

[c]During determination of station-difference between "H. M. O. Frame" and Station W_m, Absolute Building

[d]During intercomparison observations with CIW Magnetometer-Inductor No. 28, July 25-28, 1924

[e]During intercomparison observations with CIW Magnetometer-Inductor No. 27, November 5, 1924

Table 10. Observed base-line values at 20° C[a] for the Z variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1925	γ	γ	1926	γ	γ	1927	γ	γ
Jan 5	+368	+362	Jan 4	+442	+432	Jan 3	+587	+582
Jan 12	363	363	Jan 11	421	431	Jan 10	586	582
Jan 19	358	364	Jan 18	454	459	Jan 17	581	582
Jan 26	365	364	Jan 25	469	459	Jan 24	577	582
Feb 2	370	364	Jan 30	462	458	Jan 31	577	582
Feb 9	359	362	Feb 8	450	458	Feb 7	582	582
Feb 16	359	364	Feb 16	-326	-317	Feb 14	575	579
Feb 23	392	390	Feb 19	+414	+413	Feb 21	586	577
Mar 2	382	386	Feb 22	382	408	Feb 28	579	577
Mar 9	385	385	Mar 1	401	409	Mar 7	576	577
Mar 16	382	384	Mar 8	397	410	Mar 14	577	577
Mar 23	390	383	Mar 16	422	411	Mar 21	579	577
Mar 30	376	381	Mar 22	416	412	Mar 28	571	577
Apr 6	364	375	Mar 29	406	413	Apr 4	578	577
Apr 14	364	369	Apr 5	417	414	Apr 11	571	573
Apr 20	370	368	Apr 12	420	415	Apr 18	573	573
Apr 23	430	444	Apr 19	422	416	Apr 25	562	561
Apr 27	436	438	Apr 26	398	417	May 2	602	602
May 4	432	437	May 3	411	412	May 8	601	602
May 11	436	436	May 10	412	413	May 16	611	606
May 18	413	433	May 17	374	392	May 23	615	606
May 26	432	434	May 24	390	393	May 30	616	612
Jun 4	438	434	May 31	392	394	Jun 6	607	612
Jun 9	440	435	Jun 10	393	396	Jun 14	612	612
Jun 15	430	435	Jun 15	399	397	Jun 20	556	556
Jun 22	443	436	Jun 21	455	460	Jun 26	567	567
Jul 6	438	437	Jun 28	470	461	Jul 4	539	539
Jul 14	437	438	Jul 5	498	462	Jul 10	553	553
Jul 20	439	441	Jul 12	470	463	Jul 19	564	564
Jul 27	439	441	Jul 19	468	464	Jul 25	595	593
Aug 4	438	441	Jul 26	466	465	Aug 1	589	593
Aug 14	439	440	Aug 2	470	466	Aug 8	586	585
Aug 17	440	440	Aug 9	466	467	Aug 15	586	585
Aug 24	436	440	Aug 17	454	454	Aug 22	601	601
Aug 31	433	440	Aug 23	463	454	Aug 29	591	594
Sep 7	452	439	Aug 31	460	456	Sep 5	487	487
Sep 14	442	438	Sep 7	450	457	Sep 11	516	517
Sep 21	442	441	Sep 13	453	457	Sep 19	524	524
Sep 23	442	440	Sep 20	448	454	Sep 26	506	506
Sep 28	436	441	Oct 4	453	456	Oct 2	574	567
Oct 5	442	441	Oct 11	454	457	Oct 10	619	588
Oct 12	442	441	Oct 15	444	449	Oct 16	536	512
Oct 26	444	440	Oct 21	434	443	Oct 24	521	512
Nov 2	442	440	Oct 25[b]	522	525	Oct 31	510	512
Nov 9	434	439	Nov 1	520	526	Nov 7	521	512
Nov 16	435	440	Nov 8	532	527	Nov 14	512	512
Nov 23	443	436	Nov 15	540	532	Nov 22	487	494
Nov 30	430	436	Nov 19	552	552	Nov 28	594	620
Dec 8	432	436	Nov 22	558	560	Dec 5	609	620
Dec 14	438	436	Nov 29	568	559	Dec 13	621	620
Dec 21	423	432	Dec 6	558	559	Dec 17	623	620
Dec 28	424	432	Dec 13	560	559	Dec 19	623	620
			Dec 20	597	583	Dec 27	618	620
			Dec 27	577	583			

[a]Base-line values beginning October 25, 1926, are for 15° C
[b]New Z-variometer replaced original on October 22, 1926

Table 10. Observed base-line values at 15° C for the Z variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1928	γ	γ	1929	γ	γ	1930	γ	γ
Jan 2	+623	+620	Jan 7	+581	+583	Jan 8	+641	+640
Jan 9	617	620	Jan 15	578	583	Jan 15	642	640
Jan 16	615	620	Jan 21[a]	586	583	Jan 22	636	640
Jan 23	602	600	Feb 11	585	583	Jan 27	642	640
Jan 30	644	645	Feb 19	576	578	Feb 3	636	640
Feb 6	647	645	Feb 26	578	578	Feb 11	639	640
Feb 13	646	645	Mar 4	576	578	Feb 20	637	640
Feb 20	644	645	Mar 14	578	578	Feb 24	637	640
Feb 27	642	645	Mar 19	573	578	Mar 4	641	640
Mar 5	637	643	Mar 26	583	578	Mar 10	638	640
Mar 13	631	643	Apr 1	575	578	Mar 18	673	676
Mar 20	637	638	Apr 8	579	578	Mar 25	673	676
Mar 27	628	628	Apr 15	585	578	Mar 31	677	676
Apr 2	635	634	Apr 22	577	578	Apr 7	679	676
Apr 9	617	619	Apr 29	575	578	Apr 14	760	753
Apr 16	630	629	May 6	576	578	Apr 24	733	753
Apr 23	560	561	May 15	669	670	Apr 28	720	719
May 1	560	560	May 20	671	670	May 8	719	720
May 7	560	560	May 29	649	658	May 13	725	721
May 15	561	560	Jun 4	640	643	May 21	714	722
May 22	575	574	Jun 12	640	643	May 26	722	723
May 30	575	574	Jun 17	643	643	Jun 4	727	724
Jun 4	576	574	Jun 25	643	643	Jun 9	727	725
Jun 11	576	574	Jul 3	647	643	Jun 20	731	727
Jun 19	565	565	Jul 8	647	643	Jun 24	666	682
Jun 26	566	565	Jul 18[b]	664	656	Jul 3	744	747
Jul 2	565	565	Jul 19[b]	661	656	Jul 8	744	743
Jul 10	593	596	Jul 19[b]	665	656	Jul 14	744	745
Jul 16	596	596	Jul 26[b]	653	656	Jul 22	750	748
Jul 24	591	589	Jul 26[b]	650	656	Jul 28	747	750
Jul 31	604	593	Jul 26[b]	648	656	Aug 6	754	754
Aug 7	597	594	Jul 29[b]	661	656	Aug 13	761	756
Aug 13	597	593	Aug 5	657	660	Aug 18	760	758
Aug 21	595	588	Aug 13	658	660	Aug 28	755	758
Aug 28	581	580	Aug 20	656	660	Sep 5	757	758
Sep 4	581	580	Aug 26	663	660	Sep 8	760	758
Sep 10	575	578	Sep 2	657	660	Sep 16	754	758
Sep 18	576	578	Sep 10	656	660	Sep 22	759	758
Sep 24	575	580	Sep 20	606	595	Oct 2	754	755
Oct 1	580	580	Sep 24	589	595	Oct 7	751	753
Oct 9	580	580	Oct 1	591	595	Oct 13	749	750
Oct 15	579	580	Oct 10	567	567	Oct 21	745	748
Oct 22	576	580	Oct 18	640	640	Oct 30	751	744
Oct 30	579	580	Oct 21	638	640	Nov 4	743	743
Nov 5	579	580	Oct 28	649	640	Nov 11	748	740
Nov 13	573	577	Nov 4	636	640	Nov 18	738	738
Nov 19	578	577	Nov 26	649	640	Nov 25	732	735
Nov 26	574	577	Dec 10	644	640	Dec 2	729	733
Dec 4	577	580	Dec 18	638	640	Dec 9	734	731
Dec 10	578	583	Dec 24	643	640	Dec 16	727	731
Dec 18	584	583	Dec 30	638	640	Dec 23	743	731
Dec 26	584	583				Dec 30	741	731
Dec 31	586	583						

[a]Intercomparison observations were made with CIW Magnetometer-Inductor No. 24, January 27-28, 1929, but observations were not used for base-line determination

[b]During intercomparison observations with CIW Magnetometer-Inductor No. 16, July 18, 19, 26, 1929

Table 10. Observed base-line values at 15° C for the Z variometer, and respective adopted values--Continued

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1931	γ	γ	1932	γ	γ	1933	γ	γ
Jan 6	+724	+730	Jan 5	+676	+678	Jan 3	+810	+808
Jan 13	732	730	Jan 12	678	678	Jan 10	794	808
Jan 20	725	729	Jan 19	926	920	Jan 17	794	798
Jan 27	728	729	Jan 26	919	920	Jan 24	799	798
Feb 3	729	728	Feb 2	919	920	Jan 31	799	798
Feb 10	723	728	Feb 9	916	920	Feb 7	798	798
Feb 17	731	728	Feb 16	924	920	Feb 14	797	798
Feb 24	715	728	Feb 23	921	920	Feb 21	735	735
Mar 3	720	722	Mar 1	919	918	Feb 28	742	742
Mar 10	714	721	Mar 8	917	918	Mar 7	746	747
Mar 17	721	720	Mar 15	918	918	Mar 10	707	....[c]
Mar 24	724	719	Mar 22	917	918	Mar 11	841	804
Mar 31	720	718	Mar 29	918	918	Mar 14	842	817
Apr 7	696	717	Apr 5	919	917	Mar 21	836	834
Apr 14	709	716	Apr 12	920	916	Mar 28	870	870
Apr 21	725	715	Apr 19	916	916	Apr 4[d]	860	860
Apr 28	720	714	Apr 26	902	915	Apr 12	750	751
May 5	713	713	May 3	914	914	Apr 19	753	752
May 12	712	713	May 10	914	914	Apr 25	750	753
May 19	717	713	May 17	916	914	May 3	755	755
May 26	713	713	May 24[a]	912	914	May 9	761	756
Jun 4	713	713	May 31	913	914	May 16	756	758
Jun 9	699	713	Jun 7	918	914	May 23	699	701
Jun 16	709	714	Jun 14	914	914	May 30	704	702
Jun 23	718	716	Jun 23	908	911	Jun 6	703	703
Jun 30	721	717	Jun 28	909	911	Jun 13	705	704
Jul 7	724	719	Jul 5	915	911	Jun 20	702	706
Jul 14	728	720	Jul 12	911	911	Jun 27	708	706
Jul 21	717	721	Jul 19	846	850	Jul 4	722	720
Jul 28	723	731	Jul 28	851	850	Jul 11	727	728
Aug 4	726	733	Aug 2	823	850	Jul 18	765	765
Aug 11	744	740	Aug 9	848	850	Jul 25	765	765
Aug 18	778	763	Aug 16	853	850	Aug 1	764	765
Aug 25	763	763	Aug 23	847	850	Aug 8	765	765
Sep 1	765	763	Aug 30	851	850	Aug 15	821	821
Sep 8	763	763	Sep 6	851	850	Aug 18	821	821
Sep 15	762	763	Sep 13	849	850	Aug 22	981	981
Sep 22	728	726	Sep 20	836	836	Aug 29	982	983
Sep 29	726	726	Sep 27	838	836	Sep 5	985	984
Oct 6	726	726	Oct 4	834	836	Sep 12	985	986
Oct 13	726	726	Oct 11	837	836	Sep 19	1000	998
Oct 20	676	678	Oct 17[b]	844	836	Sep 26	995	998
Oct 27	676	678	Oct 25	837	836	Oct 3	1000	998
Nov 3	676	678	Nov 1	832	836	Oct 10	998	998
Nov 10	679	678	Nov 8	833	836	Oct 17	995	998
Nov 17	682	678	Nov 15	818	817	Oct 24	980	982
Nov 24	677	678	Nov 22	815	817	Oct 31	983	982
Dec 1	680	678	Nov 29	814	817	Nov 7	982	982
Dec 8	682	678	Dec 6	815	817	Nov 14	983	982
Dec 15	677	678	Dec 13	816	817	Nov 21	971	970
Dec 22	685	678	Dec 21	819	817	Nov 28	971	970
Dec 29	675	678	Dec 27	819	817	Dec 5	970	970
						Dec 12	962	970
						Dec 19	976	970
						Dec 26	965	970

[a]During intercomparison observations with CIW Magnetometer-Inductor No. 26, May 24-26, 1932
[b]During intercomparison observations with CIW Magnetometer-Inductor No. 16, October 17, 1932
[c]Hourly values obtained from la Cour magnetogram, March 8-10, 1932, because of uncertain and rapidly changing temperatures in magnetograph room
[d]Helmholtz coil installed in Z-variometer, April 5, 1933

Table 10. Observed base-line values at 15° C for the Z-variometer, and and respective adopted values--Concluded

Date	Observed	Adopted	Date	Observed	Adopted
1934	γ	γ	1935	γ	γ
Jan 2	+ 966	+ 969	Jan 8	+1046	+1047
Jan 9	971	968	Jan 15	1057	1057
Jan 16	966	967	Jan 22	1054	1057
Jan 23	964	966	Jan 29[a]	1059	1057
Jan 30	965	966	Feb 5	1096	1099
Feb 6	964	965	Feb 12	1041	1042
Feb 13	963	972	Feb 19	1042	1042
Feb 20	973	972	Feb 26	1044	1042
Feb 27	973	971	Mar 5	1020	1018
Mar 6	971	971	Mar 12	1016	1018
Mar 13	965	970	Mar 19	1012	1013
Mar 20	970	969	Mar 26	1016	1013
Mar 27	967	969	Apr 2	1014	1013
Apr 5	968	969	Apr 10	987	985
Apr 10	969	968	Apr 16	964	968
Apr 17	967	968	Apr 23	971	968
Apr 24	967	967	Apr 30	972	968
May 1	967	967	May 7	966	969
May 9	969	966	May 14	969	970
May 15	1005	1001	May 21	975	974
May 22	966	1001	May 28[b]	976	978
May 29	1003	1001	Jun 4	1054	1054
Jun 5	1000	1001	Jun 11	1072	1071
Jun 12	1002	1001	Jun 18	1078	1075
Jun 19	983	990	Jun 25	1102	1102
Jun 26	989	990	Jul 2	1044	1041
Jul 3	990	990	Jul 9	1018	1027
Jul 10	990	990	Jul 16	1023	1021
Jul 17	986	986	Jul 23	1014	1018
Jul 24	984	986	Jul 30	1006	1010
Jul 31	963	986	Aug 6	1064	1067
Aug 7	985	986	Aug 13	1019	1023
Aug 14	990	986	Aug 20	1030	1030
Aug 21	985	986	Aug 27	1038	1037
Aug 28	987	986	Sep 3	1044	1044
Sep 4	1038	1038	Sep 10	1052	1051
Sep 11	1036	1038	Sep 17	1058	1058
Sep 18	1040	1040	Sep 24	1070	1065
Sep 25	1039	1040	Oct 1	1068	1070
Oct 2	1021	1021	Oct 8	1074	1073
Oct 9	1013	1014	Oct 15[c]	1074	1077
Oct 16	1029	1029	Oct 22	1079	1080
Oct 23	1029	1029	Oct 29	1083	1084
Oct 30	1031	1029	Nov 5	1086	1087
Nov 6	1029	1029	Nov 12	1092	1091
Nov 13	1029	1029	Nov 19	1056	1054
Nov 20	1053	1047	Nov 26	1062	1058
Nov 27	1047	1047	Dec 3	1061	1061
Dec 4	1047	1047	Dec 10	1066	1065
Dec 11	1047	1047	Dec 17	1068	1068
Dec 18	1047	1047	Dec 24	1072	1072
Dec 24	1047	1047	Dec 31	1084	1075
Dec 31	1046	1047			

[a]On January 30-31, 1935, variometers were elevated by stone slabs, and Helmholtz coils were installed on D and H variometers. (Helmholtz coil on Z variometer previously installed on April 5, 1933.) During the interval of 14h, January 31, to 19h, February 1, hourly values were obtained from la Cour magnetogram

[b]On June 1, 1935, orientation tests of variometer magnets were made.

[c]On October 18, 1935, necessary alterations were made to Magnetograph No. 2 for 110-volt power supply (previously 32-volt)

Table 11. Summary of monthly means for 1922

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	. .....	. .....	.....	.....	.....	.....	.....	. .....	. .....	.....	.....	.....	.....	.....
Feb	. .....	. .....	.....	.....	.....	.....	.....	. .....	. .....	.....	.....	.....	.....	.....
Mar[a]	8 08.5	0 33.13	29740	29440	4212	287	29741	8 08.3	0 33.12	29744	29445	4210	287	29746
Apr[b]	8 08.5	0 34.69	29728	29429	4210	300	29730	[c]8 08.6	0 34.65	29737	29437	4212	300	29738
May	8 08.1	0 35.65	29731	29432	4207	308	29732	8 08.3	0 35.67	29740	29440	4210	309	29741
Jun	8 08.0	0 36.84	29735	29436	4207	319	29736	8 08.0	0 36.96	29739	29440	4208	320	29740
Jul	8 07.6	0 37.84	29734	29435	4203	327	29735	8 07.7	0 37.81	29740	29441	4205	327	29742
Aug	8 07.6	0 38.19	29732	29434	4203	330	29734	8 07.6	0 38.01	29737	29438	4204	329	29739
Sep	8 07.3	0 38.80	29735	29437	4201	336	29737	8 07.3	0 38.80	29745	29447	4202	336	29747
Oct	8 07.0	0 39.33	29737	29439	4199	340	29739	8 07.0	0 39.35	29746	29448	4200	340	29748
Nov	8 06.5	0 39.62	29739	29442	4195	343	29741	8 06.5	0 39.67	29744	29447	4195	343	29746
Dec	8 06.3	0 40.29	29737	29440	4193	349	29739	8 06.3	0 40.25	29738	29441	4193	348	29740
I	8 06.4	0 39.96	29738	29441	4194	346	29740	8 06.4	0 39.96	29741	29444	4194	346	29743
II	8 07.9	0 36.49	29735	29436	4206	316	29737	8 07.8	0 36.48	29743	29444	4206	316	29745
III	8 07.8	0 37.13	29733	29434	4205	321	29725	8 07.9	0 37.11	29739	29440	4206	321	29741
Year	8 07.6	0 37.44	29735	29436	4203	324	29737	8 07.6	0 37.43	29741	29442	4204	324	29743
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	. .....	. .....	.....	.....	.....	.....	.....	. .....	. .....	.....	.....	.....	.....	.....
Feb	. .....	. .....	.....	.....	.....	.....	.....	. .....	. .....	.....	.....	.....	.....	.....
Mar	8 08.2	0 33.11	29747	29448	4210	286	29749	[e]8 08.9	0 33.07	29722	29422	4213	286	29723
Apr[d]	8 08.6	0 34.66	29738	29438	4212	300	29739	[f]8 08.6	0 34.77	29720	29420	4210	301	29721
May	8 08.3	0 35.74	29741	29441	4210	309	29742	8 08.3	0 35.42	29713	29414	4206	306	29715
Jun	8 08.0	0 36.94	29739	29440	4208	320	29741	8 07.9	0 36.79	29726	29427	4204	318	29727
Jul	8 07.7	0 37.93	29739	29440	4205	328	29741	8 07.6	0 37.85	29725	29427	4202	327	29727
Aug	8 07.6	0 38.00	29737	29438	4204	329	29738	8 07.7	0 38.20	29723	29424	4202	330	29725
Sep	8 07.2	0 38.85	29746	29448	4202	336	29748	8 07.6	0 38.56	29719	29421	4201	333	29721
Oct	8 06.9	0 39.20	29747	29449	4199	339	29749	8 07.3	0 39.35	29715	29417	4198	340	29717
Nov	8 06.6	0 39.73	29741	29444	4196	344	29743	8 06.7	0 39.46	29723	29426	4194	341	29725
Dec	8 06.4	0 40.31	29737	29440	4194	349	29739	8 06.4	0 40.23	29737	29439	4193	348	29739
I	8 06.5	0 40.02	29739	29442	4195	346	29741	8 06.5	0 39.84	29730	29433	4194	345	29732
II	8 07.7	0 36.46	29745	29446	4206	315	29746	8 08.1	0 36.44	29719	29420	4206	315	29721
III	8 07.9	0 37.15	29739	29440	4207	321	29741	8 07.8	0 37.06	29722	29423	4204	320	29723
Year	8 07.6	0 37.45	29741	29443	4204	324	29743	8 07.7	0 37.37	29722	29424	4202	323	29724

[a]Twenty-five days only--Mar. 2-26. [b]Twenty-one days only--Apr. 10-30. [c]Eight days only--Apr. 11, 16-20, 28, and 30.
[d]Four days--Apr. 16, 17, 18, and 20 substituted for 4, 5, 6, and 7. [e]Four days only--Mar. 5, 10, 13, and 14.
[f]Four days only--Apr. 12, 22, 24, and 26

Table 12. Summary of monthly means for 1923

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	8 05.9	0 41.18	29743	29447	4190	356	29745	8 06.0	0 41.20	29747	29451	4191	357	29750
Feb[a]	8 05.6	0 41.46	29740	29444	4187	359	29742	8 05.6	0 41.40	29748	29452	4188	358	29751
Mar	8 05.4	0 42.32	29737	29441	4185	366	29739	8 05.2	0 42.25	29747	29452	4184	366	29750
Apr	8 05.2	0 43.09	29739	29443	4183	373	29741	8 05.2	0 43.16	29740	29444	4184	373	29743
May	8 04.9	0 43.49	29735	29439	4180	376	29737	8 04.8	0 43.47	29738	29443	4180	376	29741
Jun	8 04.7	0 44.48	29731	29435	4178	385	29733	8 04.7	0 44.48	29733	29438	4178	385	29736
Jul	8 04.6	0 45.86	29735	29440	4178	397	29737	8 04.5	0 45.88	29740	29445	4178	397	29742
Aug	8 04.4	0 46.95	29741	29446	4177	406	29743	8 04.3	0 46.94	29744	29450	4176	406	29747
Sep	8 04.0	0 48.08	29738	29444	4173	416	29741	8 03.9	0 47.92	29745	29451	4173	415	29748
Oct	8 03.7	0 49.38	29723	29430	4168	427	29726	8 03.6	0 49.45	29729	29436	4168	428	29732
Nov[b]	8 03.3	0 50.03	29728	29435	4166	433	29731	8 03.5	0 50.10	29732	29439	4168	433	29735
Dec	8 03.0	0 50.47	29724	29431	4162	436	29727	8 03.0	0 50.37	29725	29432	4163	436	29728
I	8 04.4	0 45.78	29734	29439	4176	396	29736	8 04.5	0 45.77	29738	29443	4178	396	29741
II	8 04.6	0 45.72	29734	29439	4178	395	29737	8 04.5	0 45.70	29740	29446	4177	395	29743
III	8 04.7	0 45.20	29735	29440	4178	391	29738	8 04.6	0 45.19	29739	29444	4178	391	29741
Year	8 04.6	0 45.57	29734	29440	4177	394	29737	8 04.5	0 45.55	29739	29444	4178	394	29742
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	8 05.9	0 40.98	29745	29448	4190	355	29747	8 05.8	0 41.37	29744	29447	4189	358	29746
Feb	8 05.6	0 41.41	29750	29454	4188	358	29752	8 05.6	0 41.72	29717	29421	4184	361	29720
Mar	8 05.2	0 42.22	29748	29452	4184	365	29750	8 05.8	0 42.71	29717	29421	4185	369	29719
Apr	8 05.3	0 43.23	29740	29444	4184	374	29742	8 05.1	0 43.10	29727	29432	4181	373	29730
May	8 05.0	0 43.43	29740	29444	4182	376	29742	8 04.9	0 43.60	29727	29432	4180	377	29730
Jun	8 04.7	0 44.49	29731	29436	4178	385	29734	8 04.7	0 44.49	29721	29426	4177	385	29724
Jul	8 04.5	0 45.80	29738	29444	4178	396	29741	8 04.7	0 45.76	29730	29435	4178	396	29733
Aug	8 04.3	0 47.17	29743	29448	4176	408	29746	8 04.5	0 46.71	29740	29445	4178	404	29743
Sep	8 03.9	0 47.92	29745	29451	4173	415	29748	8 04.2	0 48.39	29715	29421	4171	418	29718
Oct	8 03.5	0 49.44	29727	29433	4167	428	29730	8 04.0	0 49.44	29697	29403	4167	427	29700
Nov[c]	8 03.5	0 50.11	29729	29436	4167	433	29732	[d]8 03.5	0 49.91	29727	29433	4167	432	29730
Dec	8 03.1	0 50.34	29726	29434	4164	435	29730	8 03.1	0 50.50	29722	29429	4163	437	29725
I	8 04.5	0 45.71	29738	29443	4177	395	29740	8 04.5	0 45.88	29727	29433	4176	397	29730
II	8 04.4	0 45.70	29740	29445	4177	395	29743	8 04.8	0 45.91	29714	29419	4176	397	29717
III	8 04.6	0 45.22	29738	29443	4178	391	29741	8 04.7	0 45.14	29730	29435	4178	390	29732
Year	8 04.5	0 45.54	29739	29444	4178	394	29741	8 04.7	0 45.64	29724	29429	4177	395	29726

[a]Twenty-seven days only--Feb. 1, 2, and 4-28. [b]Twenty-seven days only--Nov. 1-21, 23, and 26-30. [c]Four days only--Nov. 5, 10, 15, and 20
[d]Four days only--Nov. 2, 12, 27, and 28

Table 13. Summary of monthly means for 1924

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 62.9	0 51.22	29717	29424	4160	443	29720	7 62.9	0 51.03	29721	29429	4161	441	29725
Feb[a]	7 62.3	0 51.45	29717	29425	4155	445	29720	7 62.4	0 51.40	29720	29428	4157	444	29723
Mar[b]	7 61.9	0 52.42	29722	29430	4153	453	29725	7 61.8	0 52.43	29726	29434	4152	453	29729
Apr	7 61.7	0 53.16	29725	29434	4152	460	29729	7 61.7	0 53.22	29726	29434	4152	460	29729
May	7 61.6	0 54.36	29716	29424	4150	470	29719	7 61.4	0 54.17	29728	29437	4149	468	29732
Jun[c]	7 61.6	0 55.44	29709	29418	4148	479	29713	7 61.5	0 55.40	29721	29430	4149	479	29725
Jul	7 61.2	0 56.13	29715	29425	4146	485	29719	7 61.3	0 56.00	29721	29430	4147	484	29725
Aug[d]	7 60.8	0 55.90	29722	29431	4143	483	29726	7 60.8	0 55.86	29723	29433	4144	483	29727
Sep	7 60.8	0 55.70	29715	29425	4142	481	29719	7 60.7	0 55.76	29718	29428	4142	482	29722
Oct	7 60.4	0 55.86	29717	29428	4139	483	29721	7 60.4	0 55.71	29723	29434	4140	482	29727
Nov	7 60.1	0 56.15	29709	29420	4135	485	29713	7 60.0	0 56.22	29712	29423	4135	486	29716
Dec	7 59.9	0 56.90	29712	29423	4134	492	29716	7 59.9	0 56.90	29716	29427	4134	492	29720
I	7 61.3	0 53.93	29714	29423	4146	466	29717	7 61.3	0 53.89	29717	29427	4147	466	29721
II	7 61.2	0 54.28	29720	29429	4146	469	29723	7 61.2	0 54.28	29723	29433	4147	469	29727
III	7 61.3	0 55.46	29715	29425	4147	479	29719	7 61.2	0 55.36	29723	29433	4147	479	29727
Year	7 61.3	0 54.56	29716	29426	4146	472	29720	7 61.2	0 54.51	29721	29431	4147	471	29725
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 62.8	0 51.04	29720	29427	4160	441	29723	7 62.7	0 51.64	29704	29412	4157	446	29708
Feb	7 62.1	0 51.61	29718	29426	4154	446	29721	[g]7 62.1	0 51.50	29708	29417	4153	445	29712
Mar	7 61.9	0 52.35	29728	29436	4153	453	29731	7 62.1	0 52.31	29716	29424	4154	452	29719
Apr	7 61.7	0 53.23	29724	29433	4152	460	29727	7 61.7	0 52.99	29721	29430	4151	458	29725
May	7 61.5	0 54.38	29725	29434	4149	470	29728	7 62.0	0 54.64	29679	29388	4148	472	29683
Jun[e]	7 61.5	0 55.38	29728	29437	4150	479	29731	7 61.9	0 55.43	29681	29390	4147	479	29685
Jul	7 61.3	0 55.92	29720	29429	4148	483	29724	7 60.9	0 55.97	29715	29424	4143	484	29719
Aug[f]	7 60.9	0 55.86	29723	29432	4144	483	29727	[h]7 61.0	0 55.94	29722	29431	4145	484	29726
Sep	7 60.7	0 55.66	29719	29429	4142	481	29723	7 60.7	0 55.73	29706	29416	4141	482	29709
Oct	7 60.4	0 55.69	29726	29436	4141	482	29730	7 60.4	0 56.04	29687	29398	4135	484	29691
Nov	7 59.9	0 56.23	29714	29425	4135	486	29718	7 60.2	0 56.25	29705	29416	4136	486	29709
Dec	7 59.8	0 57.06	29717	29428	4134	493	29721	7 60.1	0 56.71	29708	29418	4136	490	29712
I	7 61.2	0 53.98	29717	29427	4146	467	29721	7 61.3	0 54.02	29706	29416	4145	467	29710
II	7 61.2	0 54.23	29724	29434	4147	469	29728	7 61.2	0 54.27	29707	29417	4145	469	29711
III	7 61.3	0 55.38	29724	29433	4148	479	29728	7 61.5	0 55.50	29699	29409	4146	479	29703
Year	7 61.2	0 54.53	29722	29431	4147	472	29725	7 61.3	0 54.60	29704	29414	4145	472	29708

[a]Twenty-seven days only--Feb. 1-5, 7-22, and 24-29. [b]Twenty-nine days only--Mar. 3-31. [c]Twenty-eight days only--Jun. 1-3, and 15-29.
[d]Twenty-seven days only--Aug. 1-16, 19, and 22-31. [e]Four days only--Jun. 3, 6, 7, and 8. [f]Four days only--Aug. 11, 12, 20, and 25
[g]Three days only--Feb. 5, 20, and 21. [h]Four days only--Aug. 5, 17, 29, and 30

Table 14. Summary of monthly means for 1925

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 59.8	0 58.19	29712	29423	4133	503	29716	7 59.6	0 58.00	29720	29431	4133	502	29724
Feb	7 59.3	0 59.60	29704	29415	4128	515	29708	7 59.2	0 59.55	29710	29422	4128	515	29715
Mar	7 59.2	0 60.08	29713	29425	4128	519	29718	7 59.2	0 60.15	29714	29426	4128	520	29718
Apr[b]	7 58.9	0 60.29	29709	29421	4126	521	29714	7 59.0	0 60.26	29715	29427	4127	521	29719
May[c]	7 58.6	0 60.88	29699	29412	4121	526	29704	7 58.7	0 60.88	29703	29416	4122	526	29708
Jun[d]	7 58.5	0 61.58	29690	29403	4119	532	29695	7 58.4	0 61.56	29700	29413	4120	532	29705
Jul[e]	7 58.0	0 62.73	29696	29409	4116	542	29701	7 58.0	0 62.68	29700	29414	4116	542	29705
Aug[f]	7 57.8	0 63.33	29693	29406	4113	547	29698	7 57.6	0 63.19	29702	29416	4113	546	29707
Sep	7 57.9	0 63.40	29689	29403	4114	548	29694	7 57.6	0 63.38	29705	29418	4113	548	29710
Oct[g]	7 57.7	0 63.64	29686	29400	4111	550	29691	7 57.6	0 63.58	29690	29404	4112	549	29695
Nov[h]	7 57.2	0 64.32	29679	29393	4106	555	29684	7 57.2	0 64.45	29689	29404	4108	557	29694
Dec[i]	7 57.1	0 65.08	29681	29396	4106	562	29686	7 56.9	0 64.95	29690	29405	4106	561	29695
I	7 58.3	0 61.80	29694	29407	4118	534	29698	7 58.2	0 61.74	29702	29415	4118	533	29707
II	7 58.4	0 61.85	29699	29412	4120	534	29704	7 58.3	0 61.84	29706	29419	4120	534	29711
III	7 58.2	0 62.13	29694	29408	4117	537	29699	7 58.2	0 62.08	29701	29414	4118	536	29706
Year	7 58.3	0 61.93	29696	29409	4119	535	29701	7 58.2	0 61.89	29703	29416	4119	535	29708
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 59.6	0 58.19	29714	29425	4132	503	29718	[m]7 60.3	0 58.67	29691	29402	4135	507	29696
Feb	7 59.2	0 59.42	29707	29419	4127	514	29712	7 59.4	0 59.62	29701	29413	4128	515	29706
Mar	7 59.2	0 60.21	29715	29427	4128	521	29719	7 59.1	0 59.95	29706	29418	4127	518	29710
Apr	7 58.8	0 60.32	29713	29426	4125	521	29718	[n]7 58.9	0 60.29	29700	29412	4124	521	29704
May[j]	7 58.5	0 60.92	29700	29413	4121	526	29705	7 58.7	0 60.94	29683	29395	4120	526	29687
Jun	7 58.4	0 61.71	29699	29412	4120	533	29704	7 58.5	0 61.85	29675	29388	4117	534	29680
Jul	7 57.9	0 62.75	29700	29414	4115	542	29705	7 58.1	0 63.02	29684	29398	4115	544	29689
Aug	7 57.7	0 63.17	29700	29414	4114	546	29705	7 57.8	0 63.46	29676	29390	4111	548	29681
Sep	7 57.4	0 63.31	29704	29418	4112	547	29709	7 58.2	0 63.28	29669	29382	4114	546	29674
Oct[k]	7 57.2	0 63.44	29692	29407	4108	548	29697	[o]7 57.9	0 63.51	29666	29380	4111	548	29671
Nov	7 57.1	0 64.51	29691	29406	4107	557	29696	[p]7 57.4	0 63.97	29660	29374	4105	552	29665
Dec[l]	7 56.6	0 64.90	29691	29406	4103	561	29697	7 57.5	0 65.08	29666	29380	4107	562	29671
I	7 58.1	0 61.76	29701	29414	4117	534	29706	7 58.6	0 61.84	29680	29392	4119	534	29684
II	7 58.2	0 61.82	29706	29419	4118	534	29711	7 58.5	0 61.76	29685	29398	4119	533	29690
III	7 58.1	0 62.14	29700	29413	4117	537	29705	7 58.3	0 62.32	29679	29393	4116	538	29684
Year	7 58.1	0 61.90	29702	29416	4118	535	29707	7 58.5	0 61.97	29681	29394	4118	535	29686

[a]Thirty days only--Jan. 1-15, and 17-31. [b]Twenty-eight days only--Apr. 1-19, 21-25, and 27-30. [c]Twenty-seven days only--May 1, 3-6, 8, 10-19, and 21-30. [d]Twenty-eight days only--Jun. 1-28. [e]Twenty-nine days only--Jul. 1, 2, 4-13, and 15-31. [f]Twenty-eight days only--Aug. 1-19, 21-25, 27-29, and 31. [g]Twenty-two days only--Oct. 1, 3-16, and 25-31. [h]Twenty-seven days only--Nov. 1-5, and 9-30. [i]Twenty-nine days only--Dec. 1-15, and 18-31. [j]Four days only--May 12, 14, 15, and 16. [k]Three days only--Oct. 3, 29, and 30. [l]Four days only--Dec. 3, 14, 21, and 26. [m]Four days only--Jan. 17, 19, 20, and 23. [n]Four days only--Apr. 3, 9, 10, and 15. [o]Two days only--Oct. 9 and 12. [p]Four days only--Nov. 1, 2, 10, and 14.

Table 15. Summary of monthly means for 1926

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 57.1	1 05.64	29667	29381	4104	566	29672	7 57.1	1 05.54	29671	29386	4104	566	29676
Feb[b]	7 56.8	1 06.28	29656	29371	4100	572	29662	7 56.6	1 06.21	29666	29381	4099	571	29671
Mar	7 56.2	1 06.76	29663	29378	4096	576	29668	7 55.8	1 06.98	29677	29393	4094	578	29682
Apr[c]	7 55.8	1 07.97	29668	29384	4093	587	29674	7 55.7	1 08.20	29678	29394	4094	589	29684
May	7 55.3	1 09.36	29665	29382	4089	599	29671	7 55.2	1 09.40	29677	29394	4089	599	29683
Jun	7 54.7	1 09.90	29669	29386	4084	603	29675	7 54.9	1 09.68	29671	29388	4085	601	29677
Jul	7 54.4	1 10.95	29674	29392	4082	612	29681	7 54.3	1 11.06	29682	29400	4082	614	29688
Aug[d]	7 54.3	1 11.20	29676	29394	4081	615	29682	7 54.3	1 11.19	29685	29403	4083	615	29692
Sep[e]	7 54.2	1 11.59	29663	29381	4079	618	29669	7 53.6	1 11.40	29686	29405	4077	617	29692
Oct	7 53.9	1 12.07	29652	29371	4074	622	29658	7 53.8	1 12.07	29670	29389	4077	622	29677
Nov	7 53.2	1 11.94	29671	29390	4072	621	29678	7 53.3	1 11.88	29677	29396	4073	621	29684
Dec[f]	7 53.0	1 12.36	29664	29384	4068	625	29671	7 52.9	1 12.42	29668	29388	4068	625	29675
I	7 55.0	1 09.06	29665	29382	4086	596	29671	7 55.0	1 09.01	29670	29388	4086	596	29676
II	7 55.0	1 09.60	29661	29379	4086	601	29667	7 54.7	1 09.66	29678	29395	4085	601	29684
III	7 54.7	1 10.35	29671	29389	4084	607	29677	7 54.7	1 10.33	29679	29396	4085	607	29685
Year	7 54.9	1 09.67	29666	29383	4085	601	29672	7 54.8	1 09.67	29676	29393	4085	601	29682
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 57.2	1 05.62	29678	29392	4107	567	29683	[h]7 56.7	1 05.60	29682	29397	4103	567	29688
Feb[g]	7 56.8	1 06.21	29671	29386	4103	571	29677	[i]7 57.8	1 06.68	29611	29326	4102	574	29617
Mar	7 55.5	1 06.98	29678	29395	4092	578	29684	7 56.9	1 06.43	29637	29352	4098	573	29642
Apr	7 55.6	1 08.72	29678	29394	4093	593	29684	[j]7 55.7	1 07.38	29650	29367	4090	581	29656
May	7 55.3	1 09.57	29678	29395	4091	601	29684	7 55.8	1 09.50	29639	29356	4089	599	29646
Jun	7 54.6	1 09.87	29674	29392	4084	603	29680	7 55.0	1 09.48	29651	29368	4084	599	29657
Jul	7 54.3	1 11.09	29682	29400	4082	614	29688	7 54.3	1 11.03	29663	29381	4080	613	29669
Aug	7 54.2	1 11.05	29686	29404	4082	614	29693	7 54.6	1 11.29	29656	29374	4081	615	29663
Sep	7 53.7	1 11.60	29684	29402	4077	618	29690	7 54.8	1 11.66	29631	29349	4080	618	29638
Oct	7 53.6	1 12.17	29658	29377	4073	623	29665	7 54.5	1 12.17	29599	29318	4073	621	29606
Nov	7 53.2	1 11.82	29681	29400	4073	620	29687	7 53.6	1 11.72	29657	29376	4073	619	29664
Dec	7 53.0	1 12.39	29670	29390	4069	625	29677	7 53.1	1 12.53	29655	29375	4068	626	29662
I	7 55.1	1 09.01	29675	29392	4088	596	29681	7 55.3	1 09.13	29652	29369	4087	596	29658
II	7 54.6	1 09.87	29674	29392	4084	603	29681	7 55.5	1 09.41	29629	29346	4085	598	29635
III	7 54.6	1 10.40	29680	29398	4084	608	29686	7 54.9	1 10.32	29652	29370	4084	607	29659
Year	7 54.8	1 09.76	29677	29394	4085	602	29683	7 55.2	1 09.62	29644	29362	4085	600	29650

[a]Twenty-nine days only--Jan. 1-21, 23-25, and 27-31. [b]Twenty-four days only--Feb. 2-8, and 12-28. [c]Twenty-eight days only--Apr. 1-13, and 16-30.
[d]Thirty days only--Aug. 1-9, and 11-31. [e]Twenty-eight days only--Sep. 1-25, and 28-30. [f]Twenty-nine days only--Dec. 1-3, 5-14, and 16-31.
[g]Four days only--Feb. 6, 7, 8, and 27. [h]One day only--Jan. 18. [i]Four days only--Feb. 18, 23, 24, and 25. [j]Three days only--Apr. 6, 7, and 16.

Table 16. Summary of monthly means for 1927

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 52.8	1 13.34	29666	29386	4067	633	29673	7 52.8	1 13.69	29671	29391	4068	636	29678
Feb	7 51.9	1 14.49	29673	29394	4061	643	29680	7 51.8	1 14.20	29684	29405	4061	641	29691
Mar[b]	7 51.6	1 15.36	29663	29385	4056	650	29670	7 51.5	1 15.31	29683	29404	4058	650	29690
Apr[c]	7 51.3	1 16.04	29659	29381	4053	656	29666	7 51.2	1 16.32	29671	29393	4054	659	29679
May[d]	7 51.0	1 16.63	29662	29384	4051	661	29670	7 50.9	1 16.68	29673	29395	4052	662	29680
Jun[e]	7 50.4	1 17.06	29671	29394	4047	665	29679	7 50.3	1 17.31	29671	29394	4046	667	29678
Jul[f]	7 50.2	1 17.87	29655	29378	4043	672	29662	7 50.1	1 17.84	29664	29387	4044	672	29672
Aug[g]	7 49.8	1 18.52	29654	29377	4040	677	29661	7 49.7	1 18.54	29664	29388	4040	678	29672
Sep[h]	7 49.7	1 18.88	29653	29376	4039	680	29661	7 49.8	1 18.75	29662	29385	4041	680	29669
Oct	7 49.3	1 19.13	29645	29369	4034	682	29653	7 49.1	1 19.03	29661	29385	4034	682	29668
Nov	7 48.8	1 20.15	29657	29382	4032	692	29665	7 48.8	1 19.99	29657	29382	4032	690	29665
Dec	7 48.5	1 20.01	29651	29376	4028	690	29659	7 48.4	1 20.11	29660	29385	4029	691	29668
I	7 50.5	1 17.00	29662	29384	4047	664	29669	7 50.5	1 17.00	29668	29391	4048	665	29676
II	7 50.5	1 17.35	29655	29378	4046	667	29663	7 50.4	1 17.35	29669	29392	4047	668	29677
III	7 50.3	1 17.52	29660	29383	4045	669	29668	7 50.2	1 17.59	29668	29391	4046	670	29676
Year	7 50.4	1 17.29	29659	29382	4046	667	29667	7 50.4	1 17.31	29668	29391	4047	667	29676
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan[i]	7 53.0	1 13.39	29669	29389	4070	633	29676	7 52.7	1 13.32	29671	29391	4067	633	29678
Feb	7 51.8	1 14.03	29695	29415	4062	640	29702	7 52.4	1 14.80	29662	29382	4063	646	29669
Mar[j]	7 51.3	1 15.46	29684	29405	4057	652	29691	7 52.3	1 15.52	29636	29357	4059	651	29644
Apr	7 51.1	1 16.39	29670	29392	4053	659	29677	7 51.4	1 15.67	29634	29355	4051	652	29641
May[k]	7 51.0	1 16.71	29672	29394	4053	662	29680	7 51.2	1 16.42	29641	29363	4050	659	29648
Jun[l]	7 50.4	1 17.20	29675	29397	4048	667	29682	7 50.2	1 16.91	29667	29390	4045	664	29674
Jul	7 50.2	1 17.77	29666	29389	4045	671	29674	7 50.2	1 17.93	29636	29359	4041	672	29643
Aug	7 49.6	1 18.52	29658	29382	4039	678	29666	7 49.8	1 18.40	29636	29360	4038	676	29644
Sep[m]	7 49.6	1 18.67	29667	29391	4040	679	29675	[n]7 49.7	1 19.04	29631	29355	4036	681	29639
Oct	7 48.9	1 19.13	29664	29388	4034	683	29672	7 49.6	1 19.03	29611	29335	4032	681	29618
Nov	7 48.9	1 20.22	29657	29381	4032	692	29665	7 49.1	1 20.42	29642	29367	4032	694	29650
Dec	7 48.4	1 20.16	29656	29381	4028	692	29664	7 48.6	1 19.88	29641	29366	4028	689	29649
I	7 50.5	1 16.95	29669	29392	4048	664	29676	7 50.7	1 17.10	29654	29376	4047	665	29661
II	7 50.2	1 17.41	29671	29394	4046	668	29679	7 50.7	1 17.32	29628	29351	4044	666	29635
III	7 50.3	1 17.55	29668	29391	4046	669	29675	7 50.4	1 17.42	29645	29368	4043	668	29652
Year	7 50.4	1 17.30	29669	29392	4047	667	29677	7 50.6	1 17.28	29642	29365	4045	666	29650

[a]Twenty-six days only--Jan. 1-8, 11-20, 23-29, and 31. [b]Thirty days only--Mar. 1-21, and 23-31. [c]Twenty-seven days only--Apr. 1-24, and 27-29. [d]Twenty-eight days only--May 1-16, 19-25, and 27-31. [e]Twenty-seven days only--Jun. 1-16, 19, 20, and 22-30. [f]Twenty-six days only--Jul. 1-9, 12-16, and 19-30. [g]Twenty-nine days only--Aug. 2-30. [h]Twenty-six days only--Sep. 1-4, 7-21, and 24-30. [i]Two days only--Jan. 9 and 23. [j]Four days only--Mar. 2, 23, 24, and 25. [k]Three days only--May 11, 12, and 17. [l]Four days only--Jun. 8, 19, 20, and 24. [m]Four days only--Sep. 16, 17, 22, and 24. [n]Four days only--Sep. 4, 7, 9, and 10.

Table 17. Summary of monthly means for 1928

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 47.9	1 21.81	29666	29392	4026	706	29674	7 47.9	1 22.08	29668	29393	4026	708	29676
Feb	7 47.5	1 22.26	29656	29383	4021	710	29665	7 47.6	1 22.02	29662	29388	4022	708	29670
Mar	7 47.1	1 23.93	29660	29387	4018	724	29669	7 46.9	1 23.96	29669	29395	4017	725	29677
Apr	7 46.9	1 23.97	29662	29389	4016	725	29671	7 46.7	1 24.19	29672	29399	4016	727	29681
May	7 46.6	1 24.97	29647	29374	4012	733	29656	7 46.2	1 24.87	29669	29397	4011	733	29678
Jun	7 46.3	1 25.90	29644	29372	4009	741	29653	7 46.1	1 26.00	29652	29380	4008	742	29661
Jul[a]	7 46.3	1 26.66	29618	29346	4005	747	29628	7 46.2	1 26.64	29629	29357	4006	747	29639
Aug[b]	7 45.8	1 26.89	29636	29364	4003	749	29645	7 45.6	1 26.75	29648	29377	4003	748	29658
Sep	7 45.4	1 27.56	29642	29371	4001	755	29652	7 45.4	1 27.51	29657	29386	4003	755	29667
Oct	7 45.1	1 27.96	29636	29365	3997	758	29646	7 44.9	1 27.92	29653	29382	3998	759	29662
Nov	7 44.4	1 28.75	29634	29364	3991	765	29644	7 44.3	1 28.85	29643	29373	3991	766	29653
Dec[c]	7 44.0	1 29.39	29646	29376	3989	771	29656	7 43.8	1 29.17	29649	29380	3988	769	29659
I	7 45.9	1 25.55	29651	29379	4006	738	29660	7 45.9	1 25.53	29655	29383	4007	738	29665
II	7 46.1	1 25.86	29650	29378	4008	741	29659	7 46.0	1 25.90	29663	29390	4009	741	29672
III	7 46.2	1 26.10	29636	29364	4007	742	29646	7 46.0	1 26.06	29650	29378	4007	742	29659
Year	7 46.1	1 25.84	29646	29374	4007	740	29655	7 46.0	1 25.83	29656	29384	4007	741	29665
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 47.9	1 22.29	29664	29390	4025	710	29672	7 48.0	1 21.61	29662	29388	4026	704	29671
Feb	7 47.9	1 21.84	29666	29392	4025	706	29675	7 47.2	1 22.77	29651	29377	4018	714	29659
Mar	7 46.8	1 23.85	29672	29399	4017	724	29681	7 47.7	1 24.33	29632	29358	4019	727	29641
Apr	7 46.8	1 24.27	29670	29397	4016	728	29679	7 46.8	1 24.11	29652	29379	4014	726	29661
May	7 46.2	1 24.92	29674	29401	4012	733	29683	7 46.8	1 25.01	29607	29335	4008	732	29616
Jun	7 46.0	1 25.86	29650	29378	4007	741	29659	7 46.2	1 25.90	29631	29359	4006	741	29640
Jul	7 46.3	1 26.76	29625	29353	4006	748	29634	7 46.3	1 26.55	29618	29346	4005	746	29627
Aug	7 45.5	1 26.62	29648	29377	4003	747	29658	7 46.1	1 27.05	29606	29335	4002	750	29616
Sep	7 45.4	1 27.53	29658	29386	4003	755	29668	7 45.4	1 27.63	29624	29353	3998	755	29634
Oct	7 44.9	1 27.83	29650	29379	3998	758	29659	7 45.4	1 28.12	29610	29339	3996	759	29620
Nov	7 44.2	1 28.88	29652	29382	3992	767	29662	7 44.6	1 28.61	29619	29349	3991	764	29629
Dec[d]	7 44.0	1 28.97	29653	29383	3990	768	29663	7 44.1	1 29.40	29641	29371	3989	771	29651
I	7 46.0	1 25.50	29659	29387	4008	738	29668	7 46.0	1 25.60	29643	29371	4006	738	29652
II	7 46.0	1 25.87	29663	29390	4008	741	29672	7 46.3	1 26.05	29630	29357	4007	742	29639
III	7 46.0	1 26.04	29649	29377	4007	742	29659	7 46.3	1 26.13	29616	29343	4005	742	29625
Year	7 46.0	1 25.80	29657	29385	4008	740	29666	7 46.2	1 25.92	29629	29357	4006	741	29639

[a]Thirty days only--Jul. 1-30. [b]Thirty days only--Aug. 2-31. [c]Twenty-eight days only--Dec. 1-20, and 24-31. [d]Four days only--Dec. 4, 17, 19, and 20.

Table 18. Summary of monthly means for 1929

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 43.6	1 29.98	29651	29382	3986	776	29661	7 43.3	1 29.98	29660	29391	3985	777	29670
Feb	7 43.2	1 31.11	29634	29366	3981	786	29644	7 43.1	1 30.72	29661	29392	3984	783	29671
Mar	7 43.1	1 31.67	29623	29354	3978	790	29633	7 43.0	1 31.88	29641	29372	3980	792	29651
Apr	7 42.5	1 32.56	29641	29373	3975	798	29652	7 42.2	1 32.51	29648	29380	3974	798	29658
May	7 41.8	1 33.89	29640	29373	3970	810	29651	7 41.8	1 33.67	29644	29377	3970	808	29655
Jun	7 41.5	1 34.05	29640	29374	3967	811	29651	7 41.5	1 34.07	29644	29377	3968	811	29655
Jul	7 41.2	1 34.04	29635	29369	3964	811	29646	7 41.0	1 34.17	29642	29376	3963	812	29653
Aug	7 41.0	1 35.36	29641	29375	3963	822	29652	7 40.9	1 35.42	29647	29381	3963	823	29658
Sep[b]	7 40.7	1 35.73	29641	29376	3960	826	29653	7 40.6	1 35.88	29649	29383	3960	827	29660
Oct	7 40.5	1 36.28	29632	29367	3958	830	29644	7 40.4	1 36.35	29645	29380	3959	831	29657
Nov[c]	7 40.3	1 35.92	29629	29363	3955	827	29640	7 40.2	1 35.90	29637	29372	3955	827	29648
Dec[d]	7 40.1	1 36.15	29626	29361	3953	829	29638	7 40.1	1 36.16	29644	29378	3955	829	29655
I	7 41.8	1 33.29	29635	29368	3969	804	29646	7 41.7	1 33.19	29650	29383	3970	804	29661
II	7 41.7	1 34.06	29634	29368	3968	811	29645	7 41.6	1 34.16	29646	29379	3968	812	29657
III	7 41.4	1 34.34	29639	29372	3966	814	29650	7 41.3	1 34.33	29644	29378	3966	814	29655
Year	7 41.6	1 33.90	29636	29369	3968	810	29647	7 41.5	1 33.89	29647	29380	3968	810	29658
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 43.5	1 29.96	29659	29390	3987	776	29669	[f]7 44.1	1 29.77	29629	29359	3988	774	29639
Feb	7 43.0	1 30.81	29664	29395	3983	784	29674	7 43.8	1 31.60	29582	29313	3979	788	29592
Mar	7 43.0	1 31.98	29641	29372	3980	793	29651	7 43.3	1 31.47	29615	29347	3979	788	29626
Apr	7 42.2	1 32.61	29645	29378	3974	799	29656	7 42.5	1 32.93	29627	29360	3974	801	29638
May	7 41.7	1 33.83	29646	29379	3970	809	29657	7 42.2	1 33.74	29627	29359	3971	808	29638
Jun	7 41.5	1 34.17	29641	29374	3967	812	29652	7 41.4	1 33.86	29631	29364	3965	809	29642
Jul	7 41.2	1 34.32	29639	29373	3965	813	29650	7 41.3	1 34.16	29618	29352	3962	811	29629
Aug	7 41.0	1 35.43	29650	29383	3964	823	29661	7 41.1	1 35.24	29628	29362	3962	821	29639
Sep	7 40.6	1 35.80	29655	29389	3962	827	29666	7 41.2	1 35.43	29619	29353	3961	822	29630
Oct	7 40.2	1 36.33	29645	29380	3957	831	29657	7 40.7	1 36.40	29618	29352	3957	831	29630
Nov[e]	7 40.4	1 36.09	29635	29370	3957	829	29647	7 40.7	1 35.92	29609	29344	3956	826	29621
Dec	7 40.4	1 35.88	29648	29383	3959	827	29660	7 40.3	1 36.21	29599	29334	3951	829	29610
I	7 41.8	1 33.18	29651	29384	3971	804	29662	7 42.2	1 33.38	29605	29338	3968	804	29616
II	7 41.5	1 34.18	29647	29380	3968	812	29658	7 41.9	1 34.06	29620	29353	3968	811	29631
III	7 41.4	1 34.44	29644	29378	3967	815	29655	7 41.5	1 34.25	29626	29359	3965	812	29637
Year	7 41.6	1 33.93	29647	29381	3969	810	29658	7 41.9	1 33.89	29617	29350	3967	809	29628

[a]Twenty-nine days only--Jan. 1-6, and 9-31. [b]Twenty-six days only--Sep. 1-13, and 18-30. [c]Twenty-nine days only--Nov. 1-10, and 12-30.
[d]Twenty-nine days only--Dec. 1-7, and 10-31. [e]Four days only--Nov. 10, 18, 24, and 25. [f]Four days only--Jan. 5, 9, 10, and 14.

Table 19. Summary of monthly means for 1930

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 39.3	1 37.11	29634	29370	3948	837	29646	7 38.9	1 37.29	29640	29375	3945	839	29652
Feb	7 38.9	1 39.03	29625	29361	3943	854	29637	7 38.8	1 38.99	29636	29373	3944	854	29649
Mar[b]	7 38.5	1 39.71	29620	29357	3939	859	29633	7 38.4	1 39.52	29636	29372	3940	858	29648
Apr	7 37.9	1 40.27	29611	29349	3933	864	29624	7 37.9	1 40.33	29627	29364	3934	865	29640
May	7 37.3	1 41.80	29604	29342	3927	877	29617	7 37.1	1 41.89	29623	29362	3928	878	29636
Jun	7 36.7	1 42.19	29605	29344	3921	880	29618	7 36.4	1 42.16	29613	29353	3920	880	29626
Jul	7 36.3	1 43.38	29614	29353	3919	891	29627	7 36.3	1 43.38	29619	29359	3920	891	29633
Aug	7 35.4	1 44.46	29612	29352	3911	900	29626	7 35.2	1 44.44	29622	29363	3911	900	29636
Sep	7 35.0	1 45.35	29613	29354	3908	908	29627	7 35.1	1 45.28	29627	29367	3910	908	29640
Oct[c]	7 34.7	1 45.09	29607	29348	3905	905	29621	7 34.7	1 45.16	29619	29360	3906	906	29633
Nov	7 34.2	1 45.44	29614	29356	3901	909	29628	7 34.2	1 45.60	29625	29367	3902	910	29639
Dec	7 33.7	1 46.01	29615	29358	3897	914	29629	7 33.7	1 46.20	29624	29366	3898	915	29638
I	7 36.5	1 41.90	29622	29361	3922	878	29635	7 36.4	1 42.02	29631	29370	3922	880	29644
II	7 36.5	1 42.60	29613	29352	3921	884	29626	7 36.5	1 42.57	29627	29366	3923	884	29640
III	7 36.4	1 42.96	29609	29348	3919	887	29622	7 36.3	1 42.97	29619	29359	3919	887	29633
Year	7 36.5	1 42.49	29614	29354	3921	883	29628	7 36.4	1 42.52	29626	29365	3922	884	29639
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 38.9	1 37.22	29641	29378	3945	839	29653	7 40.1	1 36.29	29610	29345	3951	830	29622
Feb	7 38.5	1 39.09	29637	29374	3941	855	29649	7 39.4	1 38.73	29597	29333	3944	850	29609
Mar[d]	7 38.3	1 39.55	29649	29386	3941	859	29661	7 38.9	1 39.81	29597	29334	3939	860	29609
Apr	7 38.0	1 40.17	29632	29369	3936	864	29644	7 38.1	1 39.96	29592	29329	3931	861	29604
May	7 37.0	1 41.88	29632	29371	3928	878	29646	7 37.8	1 41.76	29573	29311	3926	876	29586
Jun	7 36.3	1 42.10	29621	29360	3920	880	29634	7 36.9	1 42.43	29586	29325	3921	882	29599
Jul	7 36.3	1 43.67	29619	29359	3920	894	29633	7 36.3	1 43.30	29597	29337	3917	890	29610
Aug	7 35.4	1 44.50	29623	29363	3913	901	29636	7 35.6	1 44.12	29599	29340	3911	897	29613
Sep	7 35.0	1 45.50	29629	29370	3910	910	29643	7 34.6	1 45.29	29591	29333	3902	907	29605
Oct	7 34.5	1 45.00	29623	29364	3905	905	29637	[e]7 34.5	1 45.07	29593	29335	3901	905	29607
Nov	7 34.1	1 46.00	29628	29370	3902	914	29642	7 34.2	1 45.58	29594	29336	3898	909	29608
Dec	7 33.7	1 46.21	29627	29370	3899	916	29641	7 34.0	1 46.03	29588	29330	3896	913	29602
I	7 36.3	1 42.13	29633	29373	3922	881	29646	7 36.9	1 41.66	29597	29336	3922	875	29610
II	7 36.4	1 42.56	29633	29372	3923	884	29646	7 36.5	1 42.53	29593	29333	3918	883	29606
III	7 36.3	1 43.04	29624	29363	3920	888	29637	7 36.7	1 42.90	29589	29328	3919	886	29602
Year	7 36.3	1 42.57	29630	29369	3922	884	29643	7 36.7	1 42.36	29593	29332	3920	881	29606

[a]Twenty-nine days only--Jan. 1-17, and 20-31. [b]Twenty-nine days only--Mar. 1-5, and 8-31. [c]Twenty-nine days only--Oct. 1-15, and 18-31.
[d]Four days only--Mar. 5, 8, 9, and 10. [e]Four days only--Oct. 3, 14, 26, and 27.

Table 20. Summary of monthly means for 1931

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 33.3	1 46.63	29630	29372	3896	919	29644	7 33.3	1 46.15	29639	29382	3897	916	29653
Feb	7 32.6	1 47.36	29623	29367	3889	925	29638	7 32.7	1 47.28	29636	29380	3891	925	29651
Mar	7 32.2	1 47.48	29630	29374	3887	927	29644	7 32.1	1 47.41	29636	29380	3886	926	29650
Apr	7 31.7	1 48.12	29633	29378	3883	932	29648	7 31.8	1 48.32	29637	29381	3884	934	29652
May	7 31.4	1 49.09	29625	29370	3879	940	29640	7 31.4	1 49.23	29629	29374	3879	942	29644
Jun	7 31.0	1 50.09	29624	29369	3875	949	29639	7 30.8	1 50.09	29630	29376	3875	949	29646
Jul	7 30.5	1 50.68	29633	29379	3872	954	29648	7 30.6	1 50.52	29640	29386	3874	953	29655
Aug[a]	7 29.9	1 52.35	29627	29374	3867	969	29643	7 29.9	1 52.27	29631	29378	3867	968	29647
Sep	7 29.8	1 51.97	29624	29371	3865	965	29640	7 29.7	1 52.05	29633	29380	3866	966	29649
Oct	7 29.4	1 52.58	29611	29358	3860	970	29626	7 29.4	1 52.45	29622	29369	3861	969	29638
Nov[b]	7 28.9	1 53.20	29610	29358	3856	975	29626	7 29.0	1 53.34	29620	29368	3857	977	29636
Dec	7 29.0	1 53.88	29615	29362	3857	981	29631	7 28.7	1 54.07	29617	29365	3855	983	29634
I	7 31.0	1 50.27	29619	29365	3874	950	29635	7 30.9	1 50.21	29628	29374	3875	950	29643
II	7 30.8	1 50.04	29625	29370	3873	949	29640	7 30.8	1 50.06	29632	29378	3874	949	29647
III	7 30.7	1 50.55	29627	29373	3873	953	29642	7 30.7	1 50.53	29633	29378	3874	953	29648
Year	7 30.8	1 50.29	29624	29369	3874	951	29639	7 30.8	1 50.26	29631	29377	3874	951	29646
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 33.1	1 46.54	29636	29379	3894	919	29650	7 33.6	1 46.75	29627	29370	3898	920	29641
Feb	7 32.7	1 47.28	29635	29378	3891	925	29649	7 32.6	1 47.61	29603	29347	3886	927	29617
Mar	7 32.1	1 47.64	29635	29379	3886	928	29650	7 32.3	1 47.51	29623	29367	3886	927	29637
Apr	7 31.8	1 48.29	29637	29382	3884	934	29652	7 32.0	1 47.77	29628	29372	3884	929	29642
May	7 31.2	1 49.22	29627	29372	3878	942	29642	7 31.6	1 49.11	29610	29355	3879	940	29625
Jun	7 30.9	1 49.94	29633	29379	3876	948	29648	7 31.1	1 50.24	29612	29357	3875	950	29627
Jul	7 30.5	1 50.66	29640	29386	3873	954	29656	7 30.3	1 51.20	29618	29365	3868	958	29634
Aug	7 29.9	1 52.58	29632	29379	3867	971	29648	7 30.1	1 52.31	29615	29362	3866	968	29631
Sep	7 29.9	1 52.29	29636	29383	3867	968	29652	7 29.9	1 51.48	29615	29361	3864	961	29630
Oct	7 29.3	1 52.48	29627	29374	3861	970	29642	7 29.6	1 52.96	29581	29329	3857	972	29597
Nov	7 29.0	1 53.51	29619	29367	3857	978	29635	7 28.9	1 53.06	29599	29347	3854	974	29615
Dec	7 28.8	1 54.24	29619	29367	3856	985	29636	7 29.1	1 53.75	29608	29356	3857	980	29625
I	7 30.9	1 50.39	29627	29373	3875	952	29643	7 31.0	1 50.29	29609	29355	3873	950	29625
II	7 30.8	1 50.18	29634	29379	3875	950	29649	7 30.9	1 49.93	29612	29357	3873	947	29627
III	7 30.6	1 50.60	29633	29379	3873	954	29648	7 30.8	1 50.72	29614	29360	3872	954	29629
Year	7 30.8	1 50.39	29631	29377	3874	952	29647	7 30.9	1 50.31	29612	29357	3873	951	29627

[a]Twenty-eight days only--Aug. 1-20, and 24-31. [b]Twenty-nine days only--Nov. 1-26, and 28-30.

Table 21. Summary of monthly means for 1932

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 28.5	1 54.61	29619	29367	3853	988	29635	7 28.2	1 54.59	29623	29372	3851	988	29640
Feb[b]	7 28.0	1 55.62	29616	29365	3849	996	29633	7 27.8	1 55.79	29622	29371	3848	998	29639
Mar	7 27.4	1 56.25	29615	29364	3843	1002	29632	7 27.3	1 56.22	29630	29380	3844	1002	29647
Apr[c]	7 26.7	1 56.79	29609	29359	3837	1006	29626	7 26.6	1 56.84	29614	29365	3836	1007	29632
May	7 26.1	1 57.53	29608	29359	3831	1013	29625	7 25.9	1 57.27	29619	29371	3831	1011	29637
Jun[d]	7 25.6	1 58.13	29619	29371	3828	1018	29637	7 25.5	1 58.02	29625	29377	3829	1017	29642
Jul	7 25.3	1 58.88	29626	29378	3827	1025	29644	7 25.4	1 58.88	29631	29382	3828	1025	29648
Aug	7 25.0	1 59.45	29621	29373	3824	1030	29639	7 25.0	1 59.54	29627	29379	3825	1031	29645
Sep[e]	7 24.8	1 59.89	29618	29370	3822	1033	29636	7 24.8	1 59.94	29625	29377	3823	1034	29643
Oct	7 24.1	1 60.63	29618	29371	3816	1040	29636	7 24.0	1 60.58	29625	29378	3816	1040	29643
Nov	7 23.5	1 61.43	29618	29372	3810	1047	29636	7 23.4	1 61.58	29619	29373	3809	1048	29637
Dec[f]	7 23.0	1 61.77	29613	29367	3806	1049	29631	7 23.0	1 61.57	29623	29377	3807	1048	29641
I	7 25.7	1 58.36	29616	29368	3829	1020	29634	7 25.6	1 58.38	29622	29373	3829	1020	29639
II	7 25.8	1 58.39	29615	29366	3829	1020	29632	7 25.7	1 58.40	29624	29375	3830	1021	29641
III	7 25.5	1 58.50	29618	29370	3828	1021	29636	7 25.5	1 58.43	29625	29377	3828	1021	29643
Year	7 25.7	1 58.42	29617	29368	3829	1021	29634	7 25.6	1 58.40	29624	29375	3829	1021	29641
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 28.0	1 54.61	29623	29372	3849	988	29640	[i]7 28.5	1 54.87	29611	29359	3852	990	29627
Feb	7 27.9	1 55.81	29622	29371	3848	998	29639	7 28.6	1 55.39	29612	29360	3853	994	29628
Mar	7 27.3	1 56.18	29632	29382	3845	1002	29649	7 27.3	1 56.28	29595	29344	3840	1001	29612
Apr	7 26.4	1 56.82	29618	29368	3835	1007	29635	7 26.8	1 56.93	29604	29354	3837	1007	29621
May	7 25.9	1 57.35	29621	29372	3831	1012	29638	7 26.4	1 57.63	29582	29333	3831	1013	29599
Jun	7 25.7	1 58.26	29618	29370	3829	1019	29636	7 25.6	1 57.95	29610	29361	3827	1016	29627
Jul	7 25.4	1 58.84	29629	29381	3828	1025	29647	7 25.4	1 58.48	29619	29371	3827	1021	29637
Aug	7 24.8	1 59.41	29630	29383	3823	1030	29648	7 25.0	1 59.46	29606	29358	3822	1029	29624
Sep[g]	7 24.9	1 59.84	29625	29377	3823	1033	29643	7 24.9	1 59.98	29604	29356	3820	1034	29622
Oct	7 23.8	1 60.51	29626	29379	3814	1039	29644	7 24.2	1 60.99	29600	29353	3814	1042	29618
Nov	7 23.3	1 61.56	29622	29376	3809	1048	29640	7 23.7	1 61.34	29608	29361	3811	1046	29626
Dec[h]	7 23.0	1 61.59	29623	29378	3807	1048	29642	7 23.0	1 62.02	29594	29349	3803	1051	29613
I	7 25.5	1 58.39	29623	29374	3828	1021	29640	7 26.0	1 58.40	29606	29357	3830	1020	29624
II	7 25.6	1 58.34	29625	29377	3829	1020	29643	7 25.8	1 58.54	29600	29352	3828	1021	29618
III	7 25.4	1 58.46	29625	29376	3828	1021	29642	7 25.6	1 58.38	29604	29356	3827	1020	29622
Year	7 25.5	1 58.40	29624	29376	3828	1021	29642	7 25.8	1 58.44	29604	29355	3828	1020	29621

[a]Thirty days only--Jan. 1-24, and 26-31. [b]Twenty-seven days only--Feb. 1-10, and 13-29. [c]Twenty-eight days only--Apr. 1-13, and 16-30. [d]Twenty-eight days only--Jun. 1-20, and 23-30. [e]Twenty-eight days only--Sep. 1-14, and 17-30. [f]Twenty-seven days only--Dec. 1-18, and 23-31. [g]Four days only--Sep. 3, 10, 11, and 17. [h]Four days only--Dec. 5, 7, 12, and 23. [i]Four days only--Jan. 2, 26, 27, and 28.

Table 22. Summary of monthly means for 1933

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 22.9	2 02.18	29615	29370	3805	1053	29634	7 23.0	2 02.33	29620	29375	3806	1054	29639
Feb	7 22.7	2 02.78	29615	29370	3803	1058	29634	7 22.7	2 02.73	29625	29380	3805	1058	29644
Mar	7 22.2	2 03.27	29610	29365	3798	1062	29629	7 22.2	2 03.04	29621	29377	3799	1061	29640
Apr	7 22.0	2 03.98	29606	29362	3796	1068	29626	7 22.0	2 04.08	29613	29369	3797	1069	29633
May	7 21.9	2 04.34	29604	29360	3795	1071	29624	7 21.8	2 04.27	29616	29372	3796	1071	29635
Jun	7 21.5	2 04.90	29612	29368	3792	1076	29631	7 21.6	2 04.87	29618	29374	3794	1076	29637
Jul	7 21.2	2 05.18	29621	29377	3791	1079	29640	7 21.1	2 05.36	29623	29380	3791	1081	29643
Aug	7 21.2	2 05.49	29617	29374	3791	1082	29637	7 21.0	2 05.36	29626	29383	3790	1081	29646
Sep	7 21.0	2 05.62	29612	29368	3788	1082	29631	7 20.9	2 05.75	29626	29383	3789	1084	29646
Oct	7 20.6	2 05.70	29619	29376	3786	1083	29639	7 20.4	2 05.84	29627	29384	3785	1085	29647
Nov	7 20.3	2 06.29	29614	29372	3782	1088	29634	7 20.1	2 06.35	29617	29374	3781	1089	29637
Dec	7 19.9	2 06.56	29617	29375	3779	1091	29637	7 19.7	2 06.61	29623	29381	3778	1091	29643
I	7 21.4	2 04.45	29615	29372	3792	1073	29635	7 21.4	2 04.50	29621	29378	3793	1073	29641
II	7 21.5	2 04.64	29612	29368	3792	1074	29631	7 21.4	2 04.68	29622	29378	3793	1075	29642
III	7 21.4	2 04.98	29613	29370	3792	1077	29633	7 21.4	2 04.96	29621	29377	3793	1077	29640
Year	7 21.4	2 04.69	29614	29370	3792	1075	29633	7 21.4	2 04.72	29621	29378	3793	1075	29641
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 22.9	2 02.55	29622	29376	3806	1056	29640	7 23.0	2 01.85	29614	29368	3805	1050	29632
Feb	7 22.8	2 02.95	29627	29382	3805	1060	29646	7 22.6	2 03.01	29588	29343	3799	1059	29607
Mar	7 22.1	2 03.05	29623	29379	3799	1061	29642	7 22.3	2 03.22	29592	29347	3797	1061	29611
Apr	7 21.9	2 04.28	29618	29373	3797	1071	29637	7 22.0	2 04.17	29597	29353	3795	1069	29617
May	7 22.0	2 04.03	29620	29375	3798	1069	29639	7 22.0	2 04.49	29593	29349	3794	1072	29612
Jun	7 21.5	2 04.87	29616	29372	3793	1076	29635	7 21.5	2 04.93	29601	29357	3792	1076	29621
Jul	7 21.1	2 05.46	29621	29378	3790	1082	29641	7 21.1	2 05.53	29614	29370	3790	1082	29634
Aug	7 21.1	2 05.48	29621	29378	3790	1082	29641	7 21.4	2 05.41	29604	29360	3791	1080	29623
Sep	7 20.9	2 05.65	29629	29386	3790	1083	29649	7 21.6	2 05.54	29577	29334	3789	1081	29597
Oct	7 20.5	2 05.66	29624	29381	3786	1083	29644	7 20.8	2 05.42	29612	29369	3787	1081	29632
Nov	7 20.0	2 06.48	29615	29373	3780	1090	29635	7 20.5	2 06.22	29605	29362	3783	1087	29625
Dec	7 19.8	2 06.68	29621	29379	3779	1092	29642	7 20.0	2 06.52	29604	29361	3779	1090	29624
I	7 21.4	2 04.66	29621	29377	3793	1075	29641	7 21.5	2 04.40	29603	29359	3791	1072	29622
II	7 21.4	2 04.66	29623	29380	3793	1075	29643	7 21.7	2 04.59	29595	29351	3792	1073	29614
III	7 21.4	2 04.96	29620	29376	3793	1077	29639	7 21.5	2 05.09	29603	29359	3792	1078	29623
Year	7 21.4	2 04.76	29621	29378	3793	1075	29641	7 21.6	2 04.69	29600	29356	3792	1074	29620

[a]Thirty days only--Jan. 1-5, and 7-31.

Table 23. Summary of monthly means for 1934

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan	7 19.4	2 06.87	29625	29383	3776	1094	29645	7 19.3	2 06.78	29628	29386	3776	1093	29648
Feb	7 19.1	2 07.03	29617	29375	3772	1095	29637	7 18.9	2 07.11	29619	29378	3771	1096	29640
Mar	7 18.9	2 07.72	29617	29376	3771	1101	29637	7 18.9	2 07.68	29623	29382	3772	1101	29644
Apr	7 18.6	2 07.84	29625	29384	3770	1102	29645	7 18.4	2 07.96	29627	29386	3768	1103	29648
May	7 18.2	2 08.18	29623	29383	3766	1105	29644	7 18.2	2 08.26	29631	29390	3766	1106	29651
Jun	7 18.1	2 08.50	29626	29386	3765	1108	29647	7 18.1	2 08.60	29631	29391	3766	1109	29652
Jul	7 17.9	2 08.88	29630	29390	3764	1111	29651	7 17.8	2 08.86	29635	29395	3764	1111	29656
Aug	7 17.9	2 08.91	29621	29381	3763	1111	29642	7 17.8	2 08.75	29630	29390	3763	1110	29651
Sep	7 17.5	2 08.92	29620	29380	3759	1111	29640	7 17.5	2 08.88	29631	29391	3761	1111	29652
Oct	7 17.0	2 09.12	29624	29385	3755	1113	29645	7 17.0	2 09.21	29627	29388	3756	1114	29648
Nov	7 17.2	2 09.57	29623	29384	3757	1117	29644	7 17.1	2 09.57	29628	29389	3757	1117	29649
Dec	7 17.3	2 09.89	29615	29376	3757	1120	29636	7 17.2	2 09.91	29619	29380	3757	1120	29640
I	7 18.2	2 08.34	29620	29380	3766	1106	29641	7 18.1	2 08.34	29624	29383	3765	1106	29644
II	7 18.0	2 08.40	29621	29381	3764	1107	29642	7 18.0	2 08.43	29627	29387	3764	1107	29648
III	7 18.1	2 08.62	29625	29385	3765	1109	29646	7 18.0	2 08.62	29632	29392	3765	1109	29653
Year	7 18.1	2 08.45	29622	29382	3765	1107	29643	7 18.0	2 08.46	29628	29387	3765	1108	29648
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 19.1	2 06.98	29628	29386	3774	1095	29648	7 19.6	2 06.87	29620	29378	3777	1094	29640
Feb	7 18.9	2 07.09	29620	29379	3772	1095	29640	7 19.3	2 07.33	29596	29354	3772	1097	29616
Mar	7 18.9	2 07.80	29625	29384	3772	1102	29646	7 18.9	2 07.81	29603	29362	3769	1101	29624
Apr	7 18.5	2 07.97	29632	29391	3770	1103	29652	7 18.8	2 07.68	29613	29372	3769	1100	29633
May	7 18.3	2 08.27	29629	29388	3767	1106	29649	7 18.2	2 08.11	29611	29371	3764	1104	29632
Jun	7 18.2	2 08.53	29634	29394	3767	1109	29655	7 18.3	2 08.40	29617	29377	3766	1107	29638
Jul	7 17.8	2 08.99	29633	29393	3764	1112	29654	7 18.0	2 09.09	29612	29372	3763	1113	29633
Aug	7 17.8	2 08.74	29632	29392	3763	1110	29653	7 18.0	2 09.09	29607	29367	3762	1112	29628
Sep	7 17.5	2 08.89	29632	29393	3761	1111	29653	7 17.5	2 09.11	29604	29364	3757	1112	29624
Oct	7 17.1	2 09.10	29632	29392	3758	1113	29652	7 17.1	2 09.01	29615	29376	3755	1112	29636
Nov	7 17.0	2 09.64	29627	29388	3756	1118	29648	7 17.5	2 09.62	29620	29381	3759	1117	29641
Dec	7 17.2	2 10.13	29621	29382	3757	1122	29642	7 17.5	2 09.85	29600	29361	3757	1119	29621
I	7 18.1	2 08.46	29624	29384	3765	1108	29645	7 18.5	2 08.42	29609	29369	3766	1107	29630
II	7 18.0	2 08.44	29630	29390	3765	1108	29651	7 18.0	2 08.40	29609	29369	3763	1106	29629
III	7 18.0	2 08.63	29632	29392	3765	1109	29653	7 18.1	2 08.67	29612	29372	3764	1109	29633
Year	7 18.0	2 08.51	29629	29388	3765	1108	29649	7 18.2	2 08.50	29610	29370	3764	1107	29631

Table 24. Summary of monthly means for 1935

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
Jan[a]	7 16.7	2 10.08	29614	29375	3752	1121	29635	7 16.7	2 10.12	29623	29384	3753	1122	29644
Feb[b]	7 16.3	2 10.19	29608	29370	3748	1122	29630	7 16.1	2 10.48	29614	29376	3747	1124	29635
Mar	7 16.0	2 10.48	29607	29369	3745	1124	29628	7 15.8	2 10.47	29613	29375	3744	1124	29634
Apr	7 15.8	2 10.42	29611	29374	3744	1124	29633	7 15.7	2 10.36	29623	29386	3745	1124	29645
May[c]	7 15.4	2 10.79	29617	29380	3741	1127	29638	7 15.4	2 10.86	29621	29384	3742	1128	29642
Jun	7 15.2	2 11.36	29611	29374	3739	1132	29633	7 15.1	2 11.32	29621	29384	3739	1132	29642
Jul	7 15.0	2 11.81	29616	29379	3737	1136	29637	7 14.8	2 11.81	29621	29385	3736	1136	29643
Aug	7 14.6	2 11.76	29623	29386	3735	1136	29644	7 14.6	2 11.92	29628	29391	3736	1138	29649
Sep	7 14.5	2 11.46	29611	29374	3733	1133	29632	7 14.3	2 11.25	29625	29389	3733	1132	29647
Oct	7 14.4	2 11.93	29607	29371	3732	1137	29629	7 14.4	2 11.94	29619	29383	3733	1137	29641
Nov	7 14.0	2 11.93	29612	29376	3729	1137	29634	7 13.9	2 11.98	29613	29377	3727	1137	29635
Dec	7 14.0	2 11.86	29610	29375	3728	1136	29632	7 14.0	2 11.92	29611	29376	3728	1137	29633
I	7 15.3	2 11.02	29611	29374	3739	1129	29633	7 15.2	2 11.12	29615	29378	3739	1130	29637
II	7 15.2	2 11.07	29609	29372	3738	1129	29631	7 15.1	2 11.00	29620	29383	3739	1129	29642
III	7 15.1	2 11.43	29616	29380	3738	1133	29638	7 15.0	2 11.48	29623	29386	3738	1133	29644
Year	7 15.2	2 11.17	29612	29375	3738	1130	29634	7 15.1	2 11.20	29619	29382	3739	1131	29641
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	7 16.6	2 10.24	29628	29389	3752	1123	29649	7 17.0	2 09.96	29605	29366	3753	1120	29626
Feb	7 15.8	2 10.62	29609	29371	3744	1126	29630	[d]7 16.6	2 10.25	29584	29345	3747	1121	29605
Mar	7 15.9	2 10.43	29616	29378	3745	1124	29637	7 16.2	2 10.50	29595	29357	3745	1124	29616
Apr	7 15.5	2 10.44	29623	29386	3743	1124	29644	7 16.0	2 10.30	29587	29350	3742	1122	29609
May	7 15.2	2 10.95	29622	29385	3740	1129	29644	7 15.7	2 10.80	29606	29369	3743	1127	29628
Jun	7 15.1	2 11.33	29618	29381	3739	1132	29640	7 15.4	2 11.57	29589	29352	3738	1133	29611
Jul	7 14.9	2 11.77	29623	29387	3737	1136	29645	7 15.2	2 12.12	29600	29363	3738	1138	29622
Aug	7 14.8	2 12.00	29629	29392	3738	1138	29651	7 14.6	2 11.68	29620	29383	3734	1135	29641
Sep	7 14.2	2 11.34	29624	29388	3732	1132	29646	7 14.6	2 11.72	29593	29357	3732	1134	29615
Oct	7 14.4	2 11.87	29623	29387	3733	1137	29645	7 14.3	2 11.85	29587	29351	3728	1135	29608
Nov	7 13.8	2 12.21	29617	29382	3728	1140	29639	7 14.4	2 11.96	29607	29371	3731	1137	29629
Dec	7 14.1	2 11.84	29614	29378	3729	1136	29636	7 14.1	2 11.98	29604	29368	3728	1137	29626
I	7 15.1	2 11.23	29617	29380	3738	1131	29638	7 15.5	2 11.04	29600	29363	3740	1129	29622
II	7 15.0	2 11.02	29621	29384	3738	1129	29643	7 15.3	2 11.09	29590	29354	3737	1129	29612
III	7 15.0	2 11.51	29623	29386	3738	1134	29645	7 15.2	2 11.54	29604	29367	3738	1133	29626
Year	7 15.0	2 11.25	29621	29384	3738	1131	29642	7 15.3	2 11.22	29598	29361	3738	1130	29620

[a]Thirty days only--Jan. 1-29, and 31. [b]Twenty-seven days only--Feb. 2-28. [c]Thirty days only--May 1-30. [d]Four days only--Feb. 2, 13, 14, and 26.

Table 25. Summary of annual means for 1922-1935

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

(All tabulated values are positive.)

Year	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--75° West MT							Ten least-disturbed days--75° West MT						
1922	8 07.6	0 37.44	29735	29436	4203	324	29737	8 07.6	0 37.43	29741	29442	4204	324	29743
1923	8 04.6	0 45.57	29734	29440	4177	394	29737	8 04.5	0 45.55	29739	29444	4178	394	29742
1924	7 61.3	0 54.56	29716	29426	4146	472	29720	7 61.2	0 54.51	29721	29431	4147	471	29725
1925	7 58.3	0 61.93	29696	29409	4119	535	29701	7 58.2	0 61.89	29703	29416	4119	535	29708
1926	7 54.9	1 09.67	29666	29383	4085	601	29672	7 54.8	1 09.67	29676	29393	4085	601	29682
1927	7 50.4	1 17.29	29659	29382	4046	667	29667	7 50.4	1 17.31	29668	29391	4047	667	29676
1928	7 46.1	1 25.84	29646	29374	4007	740	29655	7 46.0	1 25.83	29656	29384	4007	741	29665
1929	7 41.6	1 33.90	29636	29369	3968	810	29647	7 41.5	1 33.89	29647	29380	3968	810	29658
1930	7 36.5	1 42.49	29614	29354	3921	883	29628	7 36.4	1 42.52	29626	29365	3922	884	29639
1931	7 30.8	1 50.29	29624	29369	3874	951	29639	7 30.8	1 50.26	29631	29377	3874	951	29646
1932	7 25.7	1 58.42	29617	29368	3829	1021	29634	7 25.6	1 58.40	29624	29375	3829	1021	29641
1933	7 21.4	2 04.69	29614	29370	3792	1075	29633	7 21.4	2 04.72	29621	29378	3793	1075	29641
1934	7 18.1	2 08.45	29622	29382	3765	1107	29643	7 18.0	2 08.46	29628	29387	3765	1108	29648
1935	7 15.2	2 11.17	29612	29375	3738	1130	29634	7 15.1	2 11.20	29619	29382	3739	1131	29641
	Five international quiet days--GMT							Five international disturbed days--GMT						
1922	8 07.6	0 37.45	29741	29443	4204	324	29743	8 07.7	0 37.37	29722	29424	4202	323	29724
1923	8 04.5	0 45.54	29739	29444	4178	394	29741	8 04.7	0 45.64	29724	29429	4177	395	29726
1924	7 61.2	0 54.53	29722	29431	4147	472	29725	7 61.3	0 54.60	29704	29414	4145	472	29708
1925	7 58.1	0 61.90	29702	29416	4118	535	29707	7 58.5	0 61.97	29681	29394	4118	535	29686
1926	7 54.8	1 09.76	29677	29394	4085	602	29683	7 55.2	1 09.62	29644	29362	4085	600	29650
1927	7 50.4	1 17.30	29669	29392	4047	667	29677	7 50.6	1 17.28	29642	29365	4045	666	29650
1928	7 46.0	1 25.80	29657	29385	4008	740	29666	7 46.2	1 25.92	29629	29357	4006	741	29639
1929	7 41.6	1 33.93	29647	29381	3969	810	29658	7 41.9	1 33.89	29617	29350	3967	809	29628
1930	7 36.3	1 42.57	29630	29369	3922	884	29643	7 36.7	1 42.36	29593	29332	3920	881	29606
1931	7 30.8	1 50.39	29631	29377	3874	952	29647	7 30.9	1 50.31	29612	29357	3873	951	29627
1932	7 25.5	1 58.40	29624	29376	3828	1021	29642	7 25.8	1 58.44	29604	29355	3828	1020	29621
1933	7 21.4	2 04.76	29621	29378	3793	1075	29641	7 21.6	2 04.69	29600	29356	3792	1074	29620
1934	7 18.0	2 08.51	29629	29388	3765	1108	29649	7 18.2	2 08.50	29610	29370	3764	1107	29631
1935	7 15.0	2 11.25	29621	29384	3738	1131	29642	7 15.3	2 11.22	29598	29361	3738	1130	29620

TABLES 26-39

MEAN DAILY NONCYCLIC CHANGE IN DECLINATION (D), HORIZONTAL INTENSITY (H), AND VERTICAL INTENSITY (Z), 1922-1965

CONTENTS

Mean daily noncyclic change in declination (D), horizontal intensity (H), and vertical intensity (Z)

Year	Table	Page
1922	26	95
1923	27	96
1924	28	97
1925	29	98
1926	30	99
1927	31	100
1928	32	101
1929	33	102
1930	34	103
1931	35	104
1932	36	105
1933	37	106
1934	38	107
1935	39	108

Table 26. Mean daily noncyclic change, 1922
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	..	..	..	..	..	..	..	..	..	..	..	..
Feb	..	..	..	..	..	..	..	..	..	..	..	..
Mar	- 0.14	- 0.01	+ 0.7	+ 1.1	+ 0.5	+ 0.5	- 0.03	- 0.28	+ 6.3	+ 9.0	- 0.1	0.0
Apr	0.00	- 0.03	+ 1.5	+ 1.5	+ 0.2	+ 0.2	- 0.07	- 0.22	+ 1.0	+ 3.2	+ 0.1	+ 0.4
May	- 0.02	0.00	+ 0.5	+ 0.5	+ 0.4	+ 0.4	- 0.05	- 0.05	+ 3.0	+ 2.5	+ 0.4	+ 0.4
Jun	0.00	0.00	- 0.2	- 0.7	+ 0.4	+ 0.4	- 0.06	- 0.10	+ 4.4	+ 3.2	0.0	- 0.1
Jul	0.00	- 0.01	+ 0.1	+ 0.3	+ 0.1	0.0	+ 0.02	- 0.03	+ 2.8	+ 4.1	+ 0.2	- 0.2
Aug	- 0.01	- 0.01	- 0.3	0.0	+ 0.2	+ 0.3	- 0.13	- 0.11	+ 1.5	+ 2.3	+ 0.1	+ 0.3
Sep	- 0.02	- 0.02	- 0.3	- 0.1	+ 0.1	+ 0.1	- 0.01	- 0.03	- 0.1	+ 2.0	- 0.3	- 0.1
Oct	0.00	- 0.02	+ 0.2	- 0.1	+ 0.3	+ 0.2	+ 0.02	- 0.07	+ 1.8	+ 0.9	+ 0.2	+ 0.1
Nov	- 0.02	0.00	+ 0.1	+ 0.1	- 0.2	- 0.1	- 0.03	- 0.02	+ 2.6	+ 2.5	0.0	- 0.3
Dec	- 0.01	0.00	+ 0.1	0.0	+ 0.3	+ 0.3	- 0.07	- 0.14	+ 3.6	+ 5.7	+ 0.8	+ 0.7
I[a]	- 0.02	0.00	+ 0.1	0.0	0.0	+ 0.1	- 0.05	- 0.08	+ 3.1	+ 4.1	+ 0.4	+ 0.2
II	- 0.04	- 0.02	+ 0.5	+ 0.6	+ 0.3	+ 0.2	- 0.02	- 0.15	+ 2.2	+ 3.8	0.0	+ 0.1
III	- 0.01	0.00	0.0	0.0	+ 0.3	+ 0.3	- 0.06	- 0.07	+ 2.9	+ 3.0	+ 0.2	+ 0.1
Year[b]	- 0.02	- 0.01	+ 0.2	+ 0.3	+ 0.2	+ 0.2	- 0.04	- 0.10	+ 2.7	+ 3.5	+ 0.1	+ 0.1
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	..	..	..	..	..	..	..	..	..	..	..	..
Feb	..	..	..	..	..	..	..	..	..	..	..	..
Mar	- 0.14	- 0.18	+ 9.2	+10.2	+ 2.2	+ 2.2	+ 0.45	+ 0.60	- 28.7	- 21.8	+ 2.0	+ 2.7
Apr	+ 0.02	- 0.02	+ 2.8	+ 2.6	- 0.4	- 0.6	+ 0.26	+ 0.24	+ 9.5	+20.8	0.0	+ 0.3
May	- 0.02	+ 0.02	+ 5.6	+ 7.6	- 1.4	- 0.4	+ 0.12	+ 0.32	- 25.2	- 17.6	- 1.2	- 1.6
Jun	- 0.20	- 0.08	+ 5.4	+ 3.4	- 0.6	0.0	+ 0.10	+ 0.20	+ 0.2	+ 4.2	+ 0.8	+ 0.4
Jul	+ 0.12	- 0.06	+ 6.0	+ 6.0	+ 0.4	- 0.2	+ 0.06	+ 0.06	- 12.2	+ 0.2	- 0.2	+ 0.4
Aug	+ 0.12	+ 0.02	+ 6.8	+ 6.4	- 0.2	0.0	- 0.02	- 0.12	- 3.2	- 1.2	+ 0.4	+ 0.2
Sep	- 0.06	- 0.14	+ 3.2	+ 3.0	+ 1.4	+ 1.0	- 0.06	- 0.06	- 25.8	- 20.2	+ 0.4	+ 0.8
Oct	- 0.04	- 0.04	+ 5.4	+ 4.8	+ 0.6	+ 0.2	+ 0.04	- 0.02	- 4.0	+10.4	+ 2.4	+ 3.0
Nov	+ 0.12	0.00	+ 2.0	+ 3.4	- 1.4	- 0.8	- 0.08	- 0.16	+ 3.6	- 0.8	- 1.6	- 1.4
Dec	- 0.02	+ 0.02	+ 2.6	+ 2.8	- 0.8	+ 0.8	+ 0.30	+ 0.08	- 14.2	- 9.6	- 0.8	- 0.4
I[a]	+ 0.05	+ 0.01	+ 2.3	+ 3.1	- 1.1	0.0	+ 0.11	- 0.04	- 5.3	- 5.2	- 1.2	- 0.9
II	- 0.06	- 0.10	+ 5.2	+ 5.2	+ 1.0	+ 0.7	+ 0.17	+ 0.19	- 12.2	- 2.7	+ 1.2	+ 1.7
III	0.00	- 0.02	+ 6.0	+ 5.8	- 0.4	- 0.2	+ 0.06	+ 0.12	- 10.1	- 3.6	0.0	- 0.2
Year[b]	- 0.01	- 0.05	+ 4.9	+ 5.0	0.0	+ 0.2	+ 0.12	+ 0.11	- 10.0	- 3.6	+ 0.2	+ 0.4

[a]Two months only. [b]Ten months only.

Table 27. Mean daily noncyclic change, 1923
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.01	- 0.02	+ 0.2	+ 0.2	+ 0.2	+ 0.1	- 0.07	- 0.19	+ 7.2	+ 7.0	- 0.6	- 0.9
Feb	0.00	- 0.01	+ 0.1	- 0.3	+ 0.2	+ 0.2	- 0.03	- 0.07	+ 3.2	- 0.5	+ 0.2	- 0.4
Mar	- 0.03	- 0.02	+ 0.3	+ 0.3	+ 0.4	+ 0.4	- 0.12	- 0.13	+ 5.7	+ 3.7	+ 0.3	+ 0.4
Apr	0.00	0.00	+ 0.4	+ 0.5	+ 0.1	+ 0.2	0.00	+ 0.01	- 0.2	+ 3.1	+ 0.2	+ 0.5
May	0.00	0.00	- 0.3	- 0.3	+ 0.2	+ 0.2	- 0.06	+ 0.07	+ 2.2	+ 3.7	+ 0.1	+ 0.3
Jun	0.00	+ 0.01	- 1.1	- 0.8	+ 0.3	+ 0.4	- 0.03	+ 0.01	+ 5.1	+ 4.2	+ 0.3	+ 0.3
Jul	- 0.02	- 0.02	+ 1.6	+ 1.3	+ 0.4	+ 0.4	- 0.08	- 0.06	+ 4.0	+ 3.5	0.0	0.0
Aug	- 0.01	- 0.02	- 0.4	- 0.6	+ 0.3	+ 0.2	- 0.10	- 0.08	+ 1.5	+ 1.5	+ 0.7	+ 0.6
Sep	+ 0.01	+ 0.01	- 0.7	- 0.3	+ 0.5	+ 0.5	- 0.03	- 0.04	+ 1.2	+ 0.4	+ 0.2	+ 0.2
Oct	- 0.03	- 0.03	0.0	+ 0.1	+ 0.2	+ 0.1	+ 0.03	- 0.05	+ 3.6	+ 3.5	+ 0.5	+ 0.5
Nov	- 0.01	- 0.01	+ 0.6	+ 0.8	+ 0.2	+ 0.2	+ 0.04	- 0.02	+ 6.8	+ 8.0	+ 0.3	0.0
Dec	- 0.01	- 0.01	+ 0.1	- 0.1	+ 0.2	+ 0.2	- 0.05	- 0.05	+ 4.4	+ 3.8	- 0.9	- 1.0
I	- 0.01	- 0.01	+ 0.2	+ 0.2	+ 0.2	+ 0.2	- 0.03	- 0.08	+ 5.4	+ 4.6	- 0.2	- 0.6
II	- 0.01	- 0.01	0.0	+ 0.2	+ 0.3	+ 0.3	- 0.03	- 0.05	+ 2.6	+ 2.7	+ 0.3	+ 0.4
III	- 0.01	- 0.01	0.0	- 0.1	+ 0.3	+ 0.3	- 0.07	- 0.02	+ 3.2	+ 3.2	+ 0.3	+ 0.3
Year	- 0.01	- 0.01	+ 0.1	+ 0.1	+ 0.3	+ 0.3	- 0.04	- 0.05	+ 3.7	+ 3.5	+ 0.1	0.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.12	- 0.02	+ 1.0	+ 2.4	- 3.4	- 1.8	+ 0.22	+ 0.32	- 9.4	- 6.6	+ 1.8	+ 1.2
Feb	- 0.24	- 0.02	+ 2.6	+ 1.4	+ 0.4	- 0.4	+ 0.14	+ 0.14	- 11.2	- 10.0	+ 0.4	+ 0.8
Mar	- 0.02	- 0.10	+ 4.6	+ 4.8	+ 0.2	0.0	+ 0.28	+ 0.16	- 4.2	- 6.0	+ 0.4	+ 0.6
Apr	- 0.06	- 0.14	+ 0.8	+ 1.6	+ 1.0	+ 0.8	+ 0.12	+ 0.08	- 6.0	- 6.8	+ 0.2	0.0
May	- 0.16	- 0.10	+ 6.4	+ 6.8	+ 0.6	0.0	+ 0.02	+ 0.10	- 18.4	- 13.8	+ 0.6	+ 1.2
Jun	- 0.02	- 0.16	+ 6.0	+ 5.8	0.0	+ 0.2	+ 0.50	+ 0.54	- 21.8	- 14.4	+ 0.2	+ 0.8
Jul	- 0.18	- 0.12	+ 9.0	+ 7.6	+ 0.8	0.0	+ 0.30	+ 0.12	- 14.0	- 4.8	- 0.4	+ 0.6
Aug	- 0.02	0.00	+ 2.4	+ 1.0	0.0	+ 0.2	+ 0.24	+ 0.14	- 13.4	- 8.6	- 0.2	+ 0.6
Sep	+ 0.10	- 0.06	- 0.2	- 1.0	- 0.8	- 0.8	+ 0.08	+ 0.20	- 11.0	- 9.6	+ 1.2	+ 0.4
Oct	- 0.02	- 0.04	+ 4.8	+ 5.6	+ 0.2	+ 0.8	- 0.18	- 0.06	- 1.6	- 2.2	- 0.2	0.0
Nov	- 0.20	+ 0.03	+ 4.7	+ 5.3	- 1.0	0.0	+ 0.25	- 0.10	- 21.5	- 28.3	- 0.7	- 2.0
Dec	- 0.06	- 0.04	+ 3.6	+ 3.0	- 0.4	0.0	+ 0.04	+ 0.08	- 3.6	- 3.6	+ 0.2	+ 0.2
I	- 0.10	- 0.01	+ 3.0	+ 3.0	- 1.1	- 0.6	+ 0.16	+ 0.11	- 11.4	- 12.1	+ 0.4	0.0
II	0.00	- 0.08	+ 2.5	+ 2.8	+ 0.2	+ 0.2	+ 0.08	+ 0.10	- 5.7	- 6.2	+ 0.4	+ 0.2
III	- 0.10	- 0.10	+ 6.0	+ 5.3	+ 0.4	+ 0.1	+ 0.26	+ 0.22	- 16.9	- 10.4	0.0	+ 0.8
Year	- 0.06	- 0.06	+ 3.8	+ 3.7	- 0.2	- 0.1	+ 0.17	+ 0.14	- 11.3	- 9.6	+ 0.3	+ 0.4

Table 28. Mean daily noncyclic change, 1924
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	0.00	0.00	- 0.8	- 0.8	+ 0.2	+ 0.2	- 0.12	- 0.06	- 0.9	+ 2.1	- 0.1	+ 0.3
Feb	- 0.04	- 0.05	+ 0.4	+ 0.1	+ 0.1	0.0	- 0.07	- 0.08	+ 4.4	+ 4.4	- 0.4	- 0.7
Mar	- 0.02	- 0.02	+ 0.2	0.0	+ 0.2	+ 0.2	- 0.03	- 0.02	+ 1.5	+ 2.6	- 0.6	- 0.4
Apr	- 0.01	- 0.01	+ 0.3	+ 0.5	+ 0.4	+ 0.4	+ 0.02	- 0.01	+ 0.4	+ 1.2	+ 0.4	+ 1.3
May	0.00	- 0.01	0.0	- 0.1	+ 0.3	+ 0.3	+ 0.01	+ 0.01	+ 1.0	+ 2.4	+ 1.1	+ 1.4
Jun	0.00	- 0.01	- 0.2	- 0.2	+ 0.2	+ 0.1	- 0.08	- 0.09	+ 0.3	+ 1.2	- 0.4	0.0
Jul	- 0.01	- 0.02	+ 0.3	+ 0.3	0.0	0.0	- 0.08	- 0.08	+ 2.8	+ 2.5	+ 0.3	0.0
Aug	- 0.01	+ 0.01	+ 0.1	- 0.6	0.0	0.0	- 0.03	+ 0.04	+ 1.1	+ 0.9	+ 0.4	+ 0.4
Sep	0.00	0.00	- 0.3	0.0	0.0	0.0	- 0.06	- 0.12	+ 3.8	+ 2.9	+ 0.7	+ 0.6
Oct	- 0.02	- 0.02	- 0.2	- 0.1	- 0.1	- 0.1	0.00	- 0.01	+ 4.0	+ 3.9	0.0	- 0.2
Nov	- 0.01	- 0.01	+ 0.1	+ 0.1	+ 0.1	+ 0.1	- 0.30	- 0.32	+ 6.5	+ 6.0	+ 0.1	- 0.1
Dec	- 0.01	- 0.01	+ 0.1	0.0	+ 0.4	+ 0.3	- 0.05	- 0.06	+ 3.2	+ 2.5	+ 0.6	+ 0.6
I	- 0.02	- 0.02	0.0	- 0.2	+ 0.2	+ 0.2	- 0.14	- 0.13	+ 3.3	+ 3.8	0.0	0.0
II	- 0.01	- 0.01	0.0	+ 0.1	+ 0.1	+ 0.1	- 0.02	- 0.04	+ 2.4	+ 2.6	+ 0.1	+ 0.3
III	0.00	- 0.01	0.0	- 0.2	+ 0.1	+ 0.1	- 0.04	- 0.03	+ 1.3	+ 1.8	+ 0.4	+ 0.4
Year	- 0.01	- 0.01	0.0	- 0.1	+ 0.2	+ 0.1	- 0.07	- 0.07	+ 2.3	+ 2.7	+ 0.2	+ 0.3
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.10	- 0.08	+ 4.6	+ 4.2	+ 1.2	+ 0.4	+ 0.36	+ 0.34	- 15.6	- 15.6	+ 2.2	+ 3.0
Feb	+ 0.14	0.00	+ 5.8	+ 4.6	+ 0.2	+ 0.2	+ 0.30	+ 0.44	- 33.7	- 31.0	+ 1.0	- 0.3
Mar	- 0.16	- 0.10	+ 4.2	+ 4.2	- 1.0	- 0.4	+ 0.06	+ 0.06	- 9.2	- 6.0	- 0.2	- 0.2
Apr	- 0.10	- 0.14	+ 6.4	+ 4.0	+ 0.2	0.0	+ 0.24	+ 0.24	- 16.0	- 15.2	+ 0.4	+ 0.8
May	- 0.20	- 0.08	+ 6.8	+ 5.6	+ 0.4	+ 0.8	- 0.04	- 0.06	- 10.8	- 9.4	+ 1.2	+ 1.0
Jun	- 0.10	- 0.16	+ 4.0	+ 3.8	+ 0.2	+ 0.3	- 0.08	+ 0.22	- 16.6	- 13.2	- 1.6	+ 0.4
Jul	- 0.08	- 0.06	+ 5.0	+ 5.4	- 1.0	- 0.8	+ 0.06	+ 0.12	- 13.8	- 11.6	- 0.4	0.0
Aug	+ 0.08	- 0.05	+ 3.0	+ 2.2	- 0.3	- 0.6	+ 0.04	+ 0.08	- 10.4	- 10.7	+ 2.0	+ 2.0
Sep	- 0.14	- 0.04	+ 7.2	+ 7.2	- 1.4	- 0.4	+ 0.10	+ 0.02	- 13.4	- 15.4	+ 0.8	- 0.8
Oct	- 0.08	0.00	+ 2.2	+ 2.4	- 0.2	- 0.6	+ 0.20	+ 0.06	- 3.6	+ 0.6	- 1.0	- 1.0
Nov	- 0.02	- 0.06	+ 5.8	+ 5.6	+ 0.4	+ 0.8	+ 0.32	+ 0.46	- 31.6	- 27.8	- 0.4	- 0.8
Dec	- 0.06	- 0.02	+ 3.0	+ 3.8	+ 3.6	+ 3.2	- 0.06	- 0.06	- 9.0	- 2.4	- 0.4	- 0.2
I	- 0.01	- 0.04	+ 4.8	+ 4.6	+ 1.4	+ 1.2	+ 0.23	+ 0.30	- 22.5	- 19.2	+ 0.6	+ 0.4
II	- 0.12	- 0.07	+ 5.0	+ 4.4	- 0.6	- 0.4	+ 0.15	+ 0.10	- 10.6	- 9.0	0.0	- 0.3
III	- 0.08	- 0.09	+ 4.7	+ 4.2	- 0.2	- 0.1	0.00	+ 0.09	- 12.9	- 11.2	+ 0.3	+ 0.8
Year	- 0.07	- 0.07	+ 4.8	+ 4.4	+ 0.2	+ 0.2	+ 0.12	+ 0.16	- 15.3	- 13.1	+ 0.3	+ 0.3

Table 29. Mean daily noncyclic change, 1925
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
Jan	- 0.06	- 0.03	+ 1.5	+ 2.1	+ 0.6	+ 0.6	- 0.02	- 0.06	+ 6.1	+ 5.3	- 0.1	- 0.3
Feb	0.00	0.00	- 0.8	- 1.1	+ 0.2	+ 0.2	- 0.05	+ 0.03	+ 1.4	+ 0.5	+ 0.3	+ 0.4
Mar	- 0.02	0.00	+ 0.5	+ 0.6	+ 0.2	+ 0.2	- 0.07	- 0.12	+ 4.4	+ 4.3	0.0	+ 0.1
Apr	- 0.01	- 0.02	0.0	- 0.2	+ 0.1	+ 0.1	- 0.06	- 0.06	+ 2.8	+ 1.1	+ 0.2	+ 0.2
May	- 0.03	- 0.01	- 0.9	- 1.0	+ 0.1	+ 0.1	- 0.13	- 0.10	+ 3.0	+ 2.9	+ 0.2	+ 0.1
Jun	+ 0.01	0.00	- 0.2	- 0.5	+ 0.3	+ 0.2	+ 0.04	- 0.01	- 1.4	- 1.3	0.0	+ 0.1
Jul	- 0.01	0.00	+ 1.8	+ 1.6	+ 0.3	+ 0.3	- 0.07	- 0.05	+ 4.7	+ 4.4	+ 0.3	+ 0.1
Aug	+ 0.01	+ 0.01	- 0.8	- 0.6	+ 0.1	+ 0.1	- 0.04	- 0.04	+ 0.4	+ 0.8	+ 0.3	+ 0.3
Sep	- 0.01	- 0.01	0.0	- 0.2	+ 0.1	+ 0.1	- 0.17	- 0.15	+ 3.4	+ 2.3	- 0.6	- 0.3
Oct	- 0.04	- 0.06	0.0	+ 0.5	+ 0.1	+ 0.1	- 0.10	- 0.13	+ 5.9	+ 6.3	+ 0.1	0.0
Nov	0.00	+ 0.01	+ 4.7	+ 3.1	+ 0.5	+ 0.5	- 0.06	- 0.03	+ 2.3	+ 2.1	0.0	0.0
Dec	0.00	0.00	+ 2.5	+ 2.6	+ 0.2	+ 0.1	- 0.04	- 0.09	+ 1.0	+ 2.9	0.0	- 0.3
I	- 0.02	0.00	+ 2.0	+ 1.7	+ 0.4	+ 0.4	- 0.04	- 0.04	+ 2.7	+ 2.7	0.0	0.0
II	- 0.02	- 0.02	+ 0.1	+ 0.2	+ 0.1	+ 0.1	- 0.10	- 0.12	+ 4.1	+ 3.5	- 0.1	0.0
III	0.00	0.00	0.0	- 0.1	+ 0.2	+ 0.2	- 0.05	- 0.05	+ 1.7	+ 1.7	+ 0.2	+ 0.2
Year	- 0.01	- 0.01	+ 0.7	+ 0.6	+ 0.2	+ 0.2	- 0.06	- 0.07	+ 2.8	+ 2.6	+ 0.1	0.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.16	- 0.12	+ 3.2	+ 3.6	- 1.6	- 1.0	+ 0.42	+ 0.27	- 4.0	- 6.7	+ 0.7	+ 1.3
Feb	- 0.08	+ 0.04	+ 3.6	+ 4.0	+ 0.2	+ 0.8	+ 0.12	- 0.02	-12.4	-14.0	0.0	- 0.6
Mar	- 0.22	- 0.26	+ 8.8	+ 6.8	+ 1.2	+ 0.2	+ 0.50	+ 0.36	-12.8	-11.0	+ 1.4	+ 0.8
Apr	+ 0.04	- 0.18	+ 8.6	+ 6.8	+ 1.2	+ 0.6	- 0.02	+ 0.40	- 5.0	- 3.2	+ 3.3	+ 2.5
May	- 0.13	- 0.15	+ 4.0	+ 4.3	+ 0.4	+ 0.5	+ 0.22	- 0.06	- 4.8	+ 9.4	+ 0.2	+ 0.6
Jun	- 0.06	- 0.06	+ 5.2	+ 5.6	+ 0.6	+ 0.6	+ 0.20	+ 0.12	-14.2	-14.6	+ 0.2	+ 0.6
Jul	- 0.30	- 0.08	+ 4.8	+ 4.8	+ 0.8	+ 1.2	0.00	- 0.10	+ 8.8	+ 6.8	- 0.2	- 0.4
Aug	- 0.20	- 0.12	+ 5.8	+ 5.0	- 0.8	- 0.4	- 0.20	- 0.04	+ 1.6	+ 0.8	- 0.4	0.0
Sep	- 0.30	- 0.16	+10.8	+ 6.8	0.0	+ 0.2	+ 0.44	+ 0.32	-36.4	-36.4	- 0.2	- 0.4
Oct	- 0.24	- 0.33	+ 3.3	+ 1.6	0.0	- 0.7	- 0.50	- 0.95	+36.5	+44.0	+ 2.0	+ 1.5
Nov	- 0.24	- 0.18	+ 8.2	+ 6.8	0.0	+ 0.4	0.00	- 0.05	+ 0.2	+ 2.7	+ 0.3	+ 0.2
Dec	- 0.55	- 0.27	+ 1.0	+ 1.4	+ 1.0	+ 1.0	+ 0.14	+ 0.10	-20.8	-23.4	- 0.2	0.0
I	- 0.26	- 0.13	+ 4.0	+ 4.0	- 0.1	+ 0.3	+ 0.17	+ 0.08	- 9.2	-10.4	+ 0.2	+ 0.2
II	- 0.18	- 0.23	+ 7.9	+ 5.5	+ 0.6	+ 0.1	+ 0.10	+ 0.03	- 4.4	- 1.6	+ 1.6	+ 1.1
III	- 0.17	- 0.10	+ 5.0	+ 4.9	+ 0.2	+ 0.5	+ 0.05	- 0.02	- 2.2	+ 0.6	0.0	+ 0.2
Year	- 0.20	- 0.16	+ 5.6	+ 4.8	+ 0.2	+ 0.3	+ 0.11	+ 0.03	- 5.3	- 3.8	+ 0.6	+ 0.5

Table 30. Mean daily noncyclic change, 1926
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.18	- 0.14	+ 7.1	+ 6.0	+ 0.1	+ 0.1	- 0.03	- 0.02	+ 5.0	+ 4.6	+ 0.5	+ 0.5
Feb	- 0.06	- 0.06	+ 2.6	+ 1.8	+ 0.3	+ 0.2	+ 0.01	+ 0.03	+ 5.7	+ 5.5	+ 0.4	0.0
Mar	- 0.02	- 0.01	+ 0.6	+ 0.8	+ 0.3	+ 0.4	- 0.09	- 0.08	+ 5.2	+ 4.7	+ 0.6	+ 0.6
Apr	- 0.04	- 0.06	+ 2.2	+ 1.8	+ 0.6	+ 0.6	- 0.08	- 0.06	+ 3.4	+ 4.6	+ 0.4	+ 0.7
May	- 0.01	0.00	+ 0.3	+ 0.3	- 0.1	- 0.1	- 0.10	- 0.05	+ 1.3	+ 1.5	- 0.3	+ 0.2
Jun	0.00	- 0.01	- 0.1	- 0.1	+ 0.4	+ 0.4	- 0.03	- 0.05	+ 4.9	+ 5.5	+ 0.4	+ 0.7
Jul	- 0.01	+ 0.01	- 1.4	- 1.9	+ 0.2	+ 0.3	- 0.06	- 0.12	- 0.1	+ 2.4	- 0.4	- 0.2
Aug	- 0.03	- 0.05	+ 0.9	+ 1.8	+ 0.2	+ 0.2	- 0.14	- 0.13	+ 3.4	+ 2.5	+ 0.1	+ 0.6
Sep	- 0.01	- 0.01	- 0.9	- 1.2	- 0.1	- 0.1	- 0.03	- 0.04	- 0.4	- 1.9	- 0.5	- 0.3
Oct	- 0.01	- 0.02	- 0.6	- 0.5	- 0.1	- 0.1	+ 0.05	+ 0.01	+ 4.1	+ 5.9	- 0.9	- 0.9
Nov	- 0.02	0.00	0.0	- 0.2	+ 0.1	+ 0.1	- 0.08	- 0.09	+ 3.7	+ 3.3	+ 0.5	+ 0.3
Dec	- 0.04	- 0.06	+ 2.8	+ 2.6	+ 0.3	+ 0.2	+ 0.03	- 0.05	+ 8.1	+ 7.4	+ 1.0	+ 0.4
I	- 0.08	- 0.06	+ 3.1	+ 2.6	+ 0.2	+ 0.2	- 0.02	- 0.03	+ 5.6	+ 5.2	+ 0.6	+ 0.3
II	- 0.02	- 0.02	+ 0.3	+ 0.2	+ 0.2	+ 0.2	- 0.04	- 0.04	+ 3.1	+ 3.3	- 0.1	0.0
III	- 0.01	- 0.01	- 0.1	0.0	+ 0.2	+ 0.2	- 0.08	- 0.09	+ 2.4	+ 3.0	0.0	+ 0.3
Year	- 0.04	- 0.03	+ 1.1	+ 0.9	+ 0.2	+ 0.2	- 0.05	- 0.05	+ 3.7	+ 3.8	+ 0.2	+ 0.2
	Five quiet days--GMT						Five disturbed days					
Jan	- 0.06	0.00	+ 2.0	+ 2.0	- 1.8	- 1.0	+ 0.40	0.00	-13.0	-57.0	- 6.0	- 6.0
Feb	- 0.04	- 0.07	+ 4.6	+ 3.4	- 0.8	- 0.5	+ 0.04	+ 0.08	-18.2	+12.0	- 1.8	- 1.3
Mar	- 0.18	- 0.26	+16.2	+11.4	+ 1.2	0.0	+ 0.40	+ 0.52	-28.6	-19.6	- 2.0	- 0.8
Apr	- 0.22	- 0.26	+ 7.4	+ 5.6	- 0.4	+ 0.2	- 0.07	+ 0.04	- 3.6	- 0.7	+ 2.3	+ 1.7
May	- 0.10	- 0.18	+ 5.0	+ 5.8	+ 0.4	+ 1.0	+ 0.22	+ 0.12	-14.6	- 5.6	- 1.6	- 0.6
Jun	- 0.14	- 0.10	+ 5.8	+ 4.2	+ 1.2	+ 0.8	+ 0.14	0.00	-18.4	-13.6	+ 0.6	+ 0.6
Jul	- 0.24	- 0.24	+ 4.8	+ 3.8	- 0.2	- 0.2	+ 0.28	+ 0.46	-30.8	-35.2	+ 1.6	+ 1.0
Aug	- 0.24	- 0.18	+ 6.0	+ 7.2	+ 1.0	+ 0.8	+ 0.20	+ 0.08	+ 3.2	+ 8.4	- 2.2	- 1.4
Sep	+ 0.12	+ 0.08	+ 6.0	+ 6.2	0.0	- 0.6	+ 0.24	+ 0.24	-21.2	-17.0	+ 0.4	+ 0.4
Oct	+ 0.26	+ 0.16	+ 8.8	+10.0	- 0.8	- 0.2	+ 0.56	+ 0.74	-36.0	-25.2	- 2.2	+ 0.2
Nov	- 0.04	+ 0.04	+ 1.0	+ 1.6	+ 0.6	+ 0.2	+ 0.30	+ 0.34	-13.4	- 8.4	- 1.4	- 1.6
Dec	- 0.02	+ 0.08	+ 1.6	+ 2.2	+ 1.8	+ 1.0	+ 0.38	+ 0.34	-16.0	-17.4	+ 0.2	- 0.8
I	- 0.04	+ 0.01	+ 2.3	+ 2.3	0.0	- 0.1	+ 0.28	+ 0.19	-15.2	-17.7	- 2.2	- 2.4
II	0.00	- 0.07	+ 9.6	+ 8.3	0.0	- 0.2	+ 0.28	+ 0.38	-22.4	-15.6	- 0.4	+ 0.4
III	- 0.18	- 0.18	+ 5.4	+ 5.2	+ 0.6	+ 0.6	+ 0.21	+ 0.16	-15.2	-11.5	- 0.4	- 0.1
Year	- 0.08	- 0.08	+ 5.8	+ 5.3	+ 0.2	+ 0.1	+ 0.26	+ 0.25	-17.6	-14.9	- 1.0	- 0.7

Table 31. Mean daily noncyclic change, 1927

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.02	+ 0.02	+ 0.1	- 0.2	+ 0.2	+ 0.1	- 0.18	- 0.16	+10.2	+ 9.2	+ 0.3	0.0
Feb	- 0.02	0.00	- 1.8	- 1.8	+ 0.2	+ 0.2	- 0.16	- 0.20	+ 3.8	+ 3.6	- 0.7	- 0.2
Mar	- 0.03	- 0.04	+ 0.3	+ 0.9	+ 0.2	+ 0.3	+ 0.08	+ 0.01	+ 1.9	+ 2.3	+ 0.3	+ 0.3
Apr	+ 0.02	+ 0.01	- 0.7	- 1.1	+ 0.2	+ 0.1	- 0.10	- 0.11	+ 6.8	+ 7.3	+ 1.0	+ 0.6
May	+ 0.01	- 0.01	- 0.6	- 0.8	- 0.2	- 0.3	+ 0.06	+ 0.02	+ 2.9	+ 3.5	- 1.0	- 1.0
Jun	- 0.03	- 0.03	+ 0.1	+ 0.6	- 0.1	+ 0.1	- 0.0[illegible]	- 0.01	+ 2.8	+ 2.9	- 0.3	0.0
Jul	- 0.02	- 0.02	+ 0.2	- 0.3	+ 0.2	+ 0.1	- 0.05	- 0.04	+ 6.9	+ 4.4	+ 0.4	+ 0.6
Aug	0.00	+ 0.01	- 0.8	- 0.4	+ 0.5	+ 0.6	- 0.03	+ 0.02	+ 2.8	+ 4.1	- 0.4	0.0
Sep	- 0.01	0.00	+ 1.0	- 0.2	- 0.2	- 0.3	- 0.01	0.00	+ 0.8	+ 0.7	- 0.2	- 1.0
Oct	- 0.01	- 0.01	+ 0.3	+ 0.2	+ 0.3	+ 0.1	- 0.09	- 0.06	+ 3.6	+ 4.7	+ 1.1	+ 0.7
Nov	0.00	0.00	+ 0.3	+ 0.3	+ 0.2	+ 0.1	- 0.03	- 0.02	+ 2.6	+ 4.1	+ 0.2	+ 0.3
Dec	- 0.02	0.00	0.0	+ 0.1	+ 0.2	+ 0.3	- 0.03	- 0.17	+ 3.1	+ 4.3	- 0.4	- 0.4
I	- 0.02	0.00	- 0.4	- 0.4	+ 0.2	+ 0.2	- 0.10	- 0.14	+ 4.9	+ 5.3	- 0.2	- 0.1
II	- 0.01	- 0.01	+ 0.2	0.0	+ 0.1	0.0	- 0.03	- 0.04	+ 3.3	+ 3.8	+ 0.6	+ 0.2
III	- 0.01	- 0.01	- 0.3	- 0.2	+ 0.1	+ 0.1	- 0.01	0.00	+ 3.8	+ 3.7	- 0.3	- 0.1
Year	- 0.01	- 0.01	- 0.1	- 0.2	+ 0.1	+ 0.1	- 0.05	- 0.06	+ 4.0	+ 4.3	0.0	0.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.15	- 0.05	- 2.0	+ 8.0	- 0.5	- 1.5	+ 0.04	+ 0.50	- 44.0	- 41.0	- 1.2	+ 0.2
Feb	- 0.18	- 0.18	+ 6.8	+ 8.0	- 1.4	- 0.6	+ 0.08	+ 0.10	- 21.6	- 21.6	- 2.8	- 2.0
Mar	- 0.30	- 0.10	+ 3.5	- 1.0	+ 1.7	+ 0.5	+ 0.48	+ 0.28	- 8.4	- 0.8	- 0.2	+ 0.4
Apr	- 0.08	- 0.24	+ 9.6	+ 9.8	+ 1.6	+ 1.2	+ 0.08	+ 0.18	- 34.0	- 35.4	- 2.0	- 0.8
May	+ 0.14	- 0.17	+ 7.3	+ 6.6	+ 1.0	+ 0.4	+ 0.16	+ 0.30	- 35.0	- 30.2	- 3.0	- 2.4
Jun	- 0.07	- 0.07	+ 5.8	+ 3.4	+ 0.2	+ 0.3	+ 0.52	+ 0.42	- 22.8	- 15.0	+ 0.6	+ 0.2
Jul	- 0.10	- 0.02	+ 5.4	+ 0.4	+ 1.4	+ 1.6	+ 0.08	0.00	- 10.2	- 11.0	0.0	- 0.6
Aug	- 0.10	- 0.04	+ 8.4	+ 7.8	+ 1.8	+ 1.8	+ 0.30	+ 0.10	- 24.0	- 29.8	- 0.4	- 0.2
Sep	+ 0.08	- 0.18	- 1.0	- 2.0	+ 1.5	+ 0.7	+ 0.80	+ 0.52	- 19.6	- 8.5	+ 2.5	+ 1.4
Oct	- 0.20	- 0.06	+11.2	+ 7.0	+ 2.8	+ 2.2	+ 0.48	+ 0.32	- 18.2	- 19.2	+ 0.8	+ 0.2
Nov	- 0.08	- 0.18	+ 2.2	+ 3.2	- 1.0	- 1.2	- 0.10	- 0.16	- 9.6	- 11.2	- 1.4	- 0.8
Dec	+ 0.06	+ 0.14	+ 6.6	+ 7.0	+ 1.6	+ 1.8	+ 0.42	+ 0.60	- 26.8	- 23.2	- 1.0	- 0.2
I	- 0.09	- 0.07	+ 3.4	+ 6.6	- 0.3	- 0.4	+ 0.11	+ 0.26	- 25.5	- 24.2	- 1.6	- 0.7
II	- 0.12	- 0.14	+ 5.8	+ 3.4	+ 1.9	+ 1.2	+ 0.46	+ 0.32	- 20.0	- 16.0	+ 0.3	+ 0.3
III	- 0.03	- 0.08	+ 6.7	+ 4.6	+ 1.1	+ 1.0	+ 0.26	+ 0.20	- 23.0	- 21.5	- 0.7	- 0.8
Year	- 0.08	- 0.10	+ 5.3	+ 4.8	+ 0.9	+ 0.6	+ 0.28	+ 0.26	- 22.8	- 20.6	- 0.7	- 0.4

Table 32. Mean daily noncyclic change, 1928
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.03	- 0.03	- 0.8	- 0.4	0.0	+ 0.1	- 0.08	- 0.07	+ 2.4	+ 3.5	- 2.5	- 1.7
Feb	- 0.01	- 0.01	+ 0.6	+ 0.1	+ 0.7	+ 0.6	- 0.10	- 0.07	+ 3.3	+ 2.1	+ 1.2	+ 1.4
Mar	- 0.02	- 0.02	0.0	0.0	0.0	0.0	- 0.03	- 0.03	- 0.1	- 0.6	+ 0.3	- 0.2
Apr	- 0.01	0.00	+ 0.2	+ 0.2	+ 0.4	+ 0.4	- 0.07	- 0.05	+ 3.7	+ 2.9	+ 0.4	+ 0.1
May	+ 0.01	0.00	- 1.7	- 1.9	+ 0.2	+ 0.1	- 0.09	- 0.04	- 1.6	- 2.9	- 0.9	- 0.7
Jun	- 0.03	- 0.02	+ 1.2	+ 1.7	+ 0.2	+ 0.3	- 0.10	- 0.11	+ 3.2	+ 5.0	+ 0.4	+ 0.6
Jul	0.00	+ 0.02	- 1.6	- 1.4	0.0	+ 0.1	- 0.08	- 0.03	+ 6.3	+ 4.9	+ 0.9	+ 0.9
Aug	- 0.01	0.00	+ 0.4	+ 0.2	+ 0.3	+ 0.3	- 0.11	- 0.08	+ 3.3	+ 2.6	- 0.2	+ 0.1
Sep	- 0.02	- 0.04	+ 0.7	+ 0.6	+ 0.1	0.0	- 0.03	+ 0.04	+ 7.0	+ 6.8	+ 0.4	+ 0.2
Oct	0.00	- 0.01	- 0.6	- 0.6	+ 0.1	+ 0.1	+ 0.01	- 0.01	- 0.1	- 0.5	- 0.7	- 0.7
Nov	- 0.02	- 0.03	+ 0.3	+ 0.4	+ 0.1	+ 0.1	- 0.15	- 0.16	+ 6.3	+ 6.4	- 0.1	- 0.1
Dec	- 0.02	0.00	- 0.3	- 0.2	+ 0.3	+ 0.4	+ 0.12	+ 0.11	+ 2.2	+ 1.4	+ 0.7	+ 0.3
I	- 0.02	- 0.02	0.0	0.0	+ 0.3	+ 0.3	- 0.05	- 0.05	+ 3.6	+ 3.4	- 0.2	0.0
II	- 0.01	- 0.02	+ 0.1	0.0	+ 0.2	+ 0.1	- 0.03	- 0.01	+ 2.6	+ 2.2	+ 0.1	- 0.2
III	- 0.01	0.00	- 0.4	- 0.4	+ 0.2	+ 0.2	- 0.10	- 0.06	+ 2.8	+ 2.4	0.0	+ 0.2
Year	- 0.01	- 0.01	- 0.1	- 0.1	+ 0.2	+ 0.2	- 0.06	- 0.04	+ 3.0	+ 2.6	0.0	0.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.02	- 0.10	+ 4.8	+ 3.4	- 0.2	- 0.2	+ 0.16	+ 0.08	-11.6	- 8.8	0.0	- 1.0
Feb	- 0.14	+ 0.30	+ 2.4	+ 1.6	0.0	0.0	- 0.38	+ 0.06	+ 0.6	+ 5.8	+ 2.0	+ 3.0
Mar	- 0.16	- 0.04	+ 2.4	+ 2.8	0.0	+ 0.8	+ 0.16	+ 0.04	+ 3.2	+ 2.6	- 1.2	- 1.0
Apr	- 0.14	- 0.08	+ 2.4	+ 2.4	- 0.2	+ 0.4	+ 0.34	+ 0.08	+ 3.8	+ 9.6	+ 1.8	+ 0.6
May	- 0.16	- 0.14	+ 8.4	+ 7.2	- 0.2	- 0.6	+ 0.54	+ 0.48	-33.4	-27.2	- 0.8	+ 0.4
Jun	- 0.20	- 0.28	+14.8	+ 4.4	+ 0.2	0.0	+ 0.12	+ 0.10	-10.8	- 7.0	+ 1.2	+ 1.8
Jul	- 0.46	- 0.24	+12.8	+13.0	+ 0.8	+ 2.0	- 0.90	- 0.28	+12.0	+17.4	+ 1.2	+ 1.6
Aug	- 0.22	0.00	+ 1.6	+ 0.8	+ 1.6	+ 1.0	- 0.20	- 0.42	-11.2	- 5.0	+ 2.0	+ 2.0
Sep	- 0.64	- 0.40	+12.6	+11.4	- 0.4	+ 0.8	+ 0.40	+ 0.54	-54.4	-36.2	- 1.4	- 0.2
Oct	- 0.28	- 0.04	+ 8.4	+ 3.8	0.0	0.0	+ 0.30	+ 0.32	+ 2.0	- 0.2	+ 1.6	+ 0.6
Nov	- 0.06	+ 0.04	+11.6	+11.8	- 0.4	+ 0.8	+ 1.02	+ 0.74	- 4.6	-12.6	+ 4.4	+ 1.6
Dec	- 0.07	- 0.07	+ 4.5	+ 7.0	- 0.2	+ 0.5	+ 0.20	+ 0.22	- 7.4	- 5.0	0.0	+ 0.2
I	- 0.06	+ 0.04	+ 5.8	+ 6.0	- 0.2	+ 0.3	+ 0.25	+ 0.28	- 5.8	- 5.2	+ 1.6	+ 1.0
II	- 0.30	- 0.14	+ 6.4	+ 5.1	- 0.2	+ 0.5	+ 0.30	+ 0.24	-11.4	- 6.0	+ 0.2	0.0
III	- 0.26	- 0.16	+ 9.4	+ 6.4	+ 0.6	+ 0.6	- 0.11	- 0.03	-10.8	- 5.4	+ 0.9	+ 1.4
Year	- 0.21	- 0.09	+ 7.2	+ 5.8	+ 0.1	+ 0.5	+ 0.15	+ 0.16	- 9.3	- 5.6	+ 0.9	+ 0.8

Table 33. Mean daily noncyclic change, 1929
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.06	- 0.06	+ 1.3	+ 1.0	+ 0.2	+ 0.2	- 0.14	- 0.14	+ 5.8	+ 4.8	- 0.6	- 0.4
Feb	- 0.01	- 0.02	- 2.3	- 2.4	+ 0.1	0.0	- 0.06	- 0.05	+ 3.3	+ 3.7	+ 0.2	+ 0.1
Mar	- 0.03	- 0.03	+ 1.6	+ 2.4	+ 0.4	+ 0.6	- 0.05	- 0.04	+ 7.2	+ 6.9	0.0	+ 0.2
Apr	- 0.02	- 0.01	+ 0.1	- 0.5	+ 0.3	+ 0.1	- 0.03	- 0.08	- 0.6	- 1.7	0.0	0.0
May	0.00	0.00	+ 0.2	+ 0.2	+ 0.3	+ 0.3	- 0.08	- 0.08	+ 3.2	+ 4.0	0.0	+ 0.9
Jun	0.00	0.00	- 1.9	- 1.7	+ 0.1	+ 0.1	- 0.03	- 0.09	- 1.1	- 0.3	- 0.1	- 0.1
Jul	- 0.02	- 0.02	+ 1.1	+ 0.9	+ 0.4	+ 0.3	- 0.06	- 0.04	+ 5.8	+ 5.7	+ 1.0	+ 0.9
Aug	- 0.02	- 0.02	+ 0.7	+ 0.6	- 0.1	0.0	- 0.09	- 0.11	+ 5.7	+ 4.5	+ 0.1	- 0.1
Sep	- 0.01	- 0.04	- 0.5	+ 0.3	+ 0.7	+ 0.8	+ 0.01	- 0.03	+ 5.1	+ 5.9	+ 0.8	+ 0.6
Oct	0.00	0.00	- 0.2	+ 0.2	- 0.2	- 0.2	- 0.14	- 0.08	- 0.5	- 1.0	- 0.7	- 0.5
Nov	0.00	0.00	+ 0.3	- 0.2	- 0.1	- 0.1	- 0.01	- 0.01	+ 3.5	+ 2.8	+ 0.2	- 0.2
Dec	- 0.05	- 0.07	- 1.0	- 1.1	0.0	0.0	- 0.01	- 0.10	+ 3.9	+ 2.7	+ 0.1	- 0.1
I	- 0.03	- 0.04	- 0.4	- 0.7	0.0	0.0	- 0.06	- 0.08	+ 4.1	+ 3.5	0.0	- 0.2
II	- 0.02	- 0.02	+ 0.2	+ 0.6	+ 0.3	+ 0.3	- 0.05	- 0.06	+ 2.8	+ 2.5	0.0	+ 0.1
III	- 0.01	- 0.01	0.0	0.0	+ 0.2	+ 0.2	- 0.06	- 0.08	+ 3.4	+ 3.5	+ 0.2	+ 0.4
Year	- 0.02	- 0.02	0.0	0.0	+ 0.2	+ 0.2	- 0.06	- 0.07	+ 3.4	+ 3.2	+ 0.1	+ 0.1
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.20	+ 0.02	+11.2	+ 9.8	+ 1.6	+ 0.6	- 0.05	+ 0.07	- 4.3	- 3.5	- 1.7	- 1.3
Feb	- 0.14	- 0.10	+ 1.8	+ 2.8	+ 1.0	+ 0.6	+ 0.04	+ 0.14	- 7.0	- 7.4	- 1.2	- 2.8
Mar	- 0.08	- 0.10	+ 1.0	+11.2	- 1.0	- 0.2	+ 0.46	+ 0.40	- 4.4	- 9.6	+ 0.4	- 1.0
Apr	- 0.02	- 0.06	+ 8.2	+ 7.0	+ 0.8	+ 0.4	0.00	+ 0.12	- 0.4	+ 2.4	- 0.8	- 0.2
May	- 0.04	- 0.02	+ 0.4	0.0	+ 1.0	+ 1.4	+ 0.10	+ 0.20	-10.8	-10.4	- 1.8	- 1.6
Jun	0.00	+ 0.02	+ 5.0	+ 4.0	+ 0.8	+ 0.2	+ 0.16	+ 0.04	- 8.8	-17.4	+ 1.0	+ 0.6
Jul	- 0.22	- 0.20	+ 6.4	+ 7.6	+ 1.4	+ 1.8	- 0.28	- 0.22	- 7.4	-11.2	- 3.0	- 2.4
Aug	- 0.32	- 0.22	+ 6.4	+ 7.8	- 0.2	+ 0.6	+ 0.52	+ 0.58	-39.4	-31.6	+ 0.6	0.0
Sep	- 0.26	- 0.14	+ 6.6	+ 7.2	+ 1.0	+ 0.8	+ 0.04	- 0.12	-11.8	-11.0	+ 0.2	+ 0.2
Oct	- 0.20	- 0.08	+ 8.8	+ 7.0	- 0.4	- 0.4	+ 0.46	+ 0.42	-26.6	-29.6	- 1.2	- 1.8
Nov	+ 0.18	- 0.20	+10.0	+ 9.4	- 1.8	- 1.6	+ 0.18	+ 0.28	- 0.8	- 3.4	+ 1.0	- 0.2
Dec	+ 0.36	- 0.06	+10.8	+10.0	- 1.8	- 1.6	- 0.34	+ 0.28	-18.0	-16.0	- 0.6	+ 1.6
I	+ 0.15	- 0.08	+ 8.4	+ 8.0	- 0.2	- 0.5	- 0.04	+ 0.19	- 7.5	- 7.6	- 0.6	- 0.7
II	- 0.14	- 0.10	+ 6.2	+ 8.1	+ 0.1	+ 0.2	+ 0.24	+ 0.20	-10.8	-12.0	- 0.4	- 0.7
III	- 0.14	- 0.10	+ 4.6	+ 4.8	+ 0.8	+ 1.0	+ 0.12	+ 0.15	-16.6	-17.6	- 0.8	- 0.8
Year	- 0.04	- 0.10	+ 6.4	+ 7.0	+ 0.2	+ 0.2	+ 0.11	+ 0.18	-11.6	-12.4	- 0.6	- 0.7

Table 34. Mean daily noncyclic change, 1930

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.06	- 0.01	- 0.1	- 0.1	+ 0.4	+ 0.5	- 0.12	- 0.17	+ 6.3	+ 7.1	+ 1.0	+ 0.9
Feb	0.00	- 0.01	- 0.3	- 0.1	+ 0.1	+ 0.2	- 0.08	- 0.04	+ 4.2	+ 3.1	+ 0.5	0.0
Mar	- 0.01	- 0.01	- 0.4	- 0.1	+ 0.2	+ 0.1	- 0.04	+ 0.15	+ 0.5	+ 1.8	0.0	+ 0.1
Apr	0.00	0.00	0.0	- 0.3	+ 0.3	+ 0.4	- 0.01	+ 0.02	+ 1.8	+ 2.0	+ 0.4	+ 0.6
May	- 0.01	- 0.02	- 1.1	- 0.8	+ 0.5	+ 0.4	- 0.11	- 0.18	+ 7.2	+10.7	+ 0.5	- 0.2
Jun	- 0.03	- 0.03	+ 2.0	+ 1.6	0.0	- 0.1	- 0.12	- 0.11	+ 4.8	+ 4.6	+ 0.1	- 0.1
Jul	- 0.03	- 0.03	+ 0.1	+ 0.1	+ 0.5	+ 0.5	- 0.08	- 0.07	+ 2.7	+ 3.0	+ 0.9	+ 0.8
Aug	- 0.04	- 0.05	- 1.4	- 1.8	+ 0.1	+ 0.1	- 0.07	- 0.02	+ 1.5	+ 1.9	+ 0.2	+ 0.8
Sep	0.00	+ 0.01	- 0.1	+ 0.7	0.0	+ 0.1	- 0.08	+ 0.02	+ 4.1	+ 2.2	- 0.1	- 0.2
Oct	- 0.04	- 0.04	+ 1.9	+ 1.8	- 0.3	- 0.3	- 0.15	- 0.21	+ 6.0	+ 8.2	- 0.2	- 0.4
Nov	- 0.04	- 0.04	- 0.2	- 0.4	+ 0.2	+ 0.1	- 0.06	- 0.04	+ 5.9	+ 6.3	- 0.1	- 0.1
Dec	0.00	0.00	+ 1.1	+ 1.3	+ 0.1	0.0	- 0.17	- 0.29	+ 5.2	+ 6.5	- 0.2	- 0.4
I	- 0.02	- 0.02	+ 0.1	+ 0.2	+ 0.2	+ 0.2	- 0.11	- 0.14	+ 5.4	+ 5.8	+ 0.3	+ 0.1
II	- 0.01	- 0.01	+ 0.4	+ 0.5	0.0	+ 0.1	- 0.07	0.00	+ 3.1	+ 3.6	0.0	0.0
III	- 0.03	- 0.03	- 0.1	- 0.2	+ 0.3	+ 0.2	- 0.10	- 0.10	+ 4.0	+ 5.0	+ 0.4	+ 0.3
Year	- 0.02	- 0.02	+ 0.1	+ 0.2	+ 0.2	+ 0.2	- 0.09	- 0.08	+ 4.2	+ 4.8	+ 0.2	+ 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.28	+ 0.02	+ 5.8	+ 3.6	+ 0.2	- 0.6	+ 0.12	+ 0.04	- 7.4	- 9.4	+ 0.2	0.0
Feb	- 0.04	+ 0.02	+ 1.2	- 1.2	+ 1.8	+ 0.8	+ 0.10	0.00	-12.2	-12.4	+ 0.2	- 0.4
Mar	+ 0.04	0.00	- 3.3	- 1.0	+ 1.0	+ 0.3	+ 0.06	0.00	- 4.4	- 9.2	+ 0.8	- 0.2
Apr	- 0.28	- 0.12	+ 5.4	+ 2.6	0.0	+ 0.4	- 0.18	+ 0.04	+ 6.2	- 0.2	- 1.6	- 2.0
May	- 0.22	- 0.20	+ 5.8	+ 8.2	+ 0.4	+ 0.8	+ 0.66	+ 0.46	- 4.0	+ 9.4	+ 1.4	+ 2.4
Jun	- 0.16	- 0.20	+12.8	+14.0	- 1.0	+ 0.2	- 0.18	+ 0.52	-31.8	-34.2	- 1.8	- 0.2
Jul	0.00	- 0.02	+ 2.4	- 1.8	+ 0.6	+ 0.2	+ 0.22	+ 0.12	-13.8	+ 8.2	+ 0.6	+ 1.6
Aug	- 0.22	- 0.22	+ 4.6	- 0.6	+ 1.0	0.0	- 0.22	- 0.04	- 8.0	- 9.2	+ 0.2	+ 1.0
Sep	- 0.12	- 0.24	+ 8.4	+13.0	0.0	+ 0.4	+ 0.28	+ 0.68	-40.6	-36.0	- 1.0	+ 0.2
Oct	- 0.04	0.00	+ 4.2	+ 5.6	+ 2.0	+ 1.6	+ 0.15	+ 0.22	-34.8	-18.4	+ 0.6	+ 0.2
Nov	- 0.08	- 0.10	+ 5.4	+ 6.0	- 0.2	+ 0.2	- 0.06	- 0.08	-21.6	-25.4	+ 0.2	0.0
Dec	- 0.14	- 0.04	+ 6.6	+ 5.8	+ 1.0	+ 0.8	- 0.10	+ 0.18	-17.4	-18.8	- 1.2	- 0.6
I	0.00	- 0.02	+ 4.8	+ 3.6	+ 0.7	+ 0.3	+ 0.02	+ 0.04	-14.6	-16.5	- 0.2	- 0.2
II	- 0.10	- 0.09	+ 3.7	+ 5.0	+ 0.8	+ 0.7	+ 0.08	+ 0.24	-18.4	-16.0	- 0.3	- 0.4
III	- 0.15	- 0.16	+ 6.4	+ 5.0	+ 0.2	+ 0.3	+ 0.12	+ 0.26	-14.4	- 6.4	+ 0.1	+ 1.2
Year	- 0.08	- 0.09	+ 4.9	+ 4.5	+ 0.6	+ 0.4	+ 0.07	+ 0.18	-15.8	-13.0	- 0.1	+ 0.2

Table 35. Mean daily noncyclic change, 1931

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.03	- 0.02	- 0.1	- 0.1	+ 0.4	+ 0.3	- 0.12	- 0.11	+ 2.9	+ 2.9	+ 0.1	0.0
Feb	- 0.01	+ 0.01	- 0.5	- 0.5	0.0	+ 0.1	- 0.15	- 0.07	+ 1.5	+ 0.9	+ 0.7	+ 0.7
Mar	- 0.02	- 0.03	+ 0.5	+ 0.4	+ 0.2	+ 0.2	- 0.07	- 0.02	+ 3.3	+ 4.9	+ 0.6	+ 1.1
Apr	- 0.01	- 0.01	- 0.1	+ 0.1	+ 0.1	+ 0.2	- 0.07	- 0.05	+ 5.7	+ 3.7	0.0	- 0.4
May	- 0.02	- 0.02	+ 0.5	+ 0.4	+ 0.4	+ 0.3	- 0.09	- 0.02	+ 5.2	+ 4.9	+ 0.8	+ 1.2
Jun	- 0.01	- 0.01	- 0.4	- 0.4	+ 0.2	+ 0.2	- 0.05	- 0.07	+ 2.7	+ 3.3	+ 0.2	+ 0.3
Jul	- 0.02	- 0.02	0.0	- 0.1	+ 0.3	+ 0.3	- 0.05	- 0.06	+ 1.1	+ 0.5	- 0.2	- 0.2
Aug	0.00	- 0.02	- 0.1	+ 0.8	+ 0.2	+ 0.1	- 0.01	- 0.07	- 0.4	- 0.4	+ 0.7	+ 1.0
Sep	- 0.01	- 0.01	- 0.7	- 0.7	0.0	0.0	- 0.18	- 0.07	+ 7.9	+ 7.9	+ 0.1	+ 0.4
Oct	0.00	+ 0.03	- 0.5	- 0.5	0.0	+ 0.1	- 0.01	- 0.02	+ 4.7	+ 2.5	- 0.4	- 0.2
Nov	0.00	- 0.05	+ 0.9	+ 0.3	+ 0.1	0.0	- 0.15	- 0.31	+ 5.6	+ 5.0	0.0	- 0.1
Dec	+ 0.01	+ 0.02	- 0.2	- 0.3	+ 0.2	+ 0.2	- 0.02	- 0.04	+ 3.3	+ 3.6	- 0.5	- 0.7
I	- 0.01	- 0.01	0.0	- 0.2	+ 0.2	+ 0.2	- 0.11	- 0.13	+ 3.3	+ 3.1	+ 0.1	0.0
II	- 0.01	0.00	- 0.2	- 0.2	+ 0.1	+ 0.1	- 0.08	- 0.04	+ 5.4	+ 4.8	+ 0.1	+ 0.2
III	- 0.01	- 0.02	0.0	+ 0.2	+ 0.3	+ 0.2	- 0.05	- 0.06	+ 2.2	+ 2.1	+ 0.4	+ 0.6
Year	- 0.01	- 0.01	- 0.1	0.0	+ 0.2	+ 0.2	- 0.08	- 0.08	+ 3.6	+ 3.3	+ 0.2	+ 0.3
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.02	+ 0.10	+ 9.0	+ 8.2	+ 3.0	+ 2.4	+ 0.70	+ 0.42	-14.8	-15.8	+ 1.2	- 0.2
Feb	- 0.10	- 0.06	+ 7.2	+ 6.0	- 0.6	0.0	+ 0.30	+ 0.08	-18.0	-14.8	- 2.4	- 1.2
Mar	- 0.26	- 0.14	+ 2.6	+ 2.4	+ 2.6	+ 2.0	+ 0.26	+ 0.14	- 8.8	+ 2.0	0.0	+ 1.2
Apr	- 0.04	- 0.04	+ 1.6	+ 0.2	+ 0.8	- 0.2	+ 0.06	- 0.02	-19.6	-18.2	- 0.8	- 0.8
May	- 0.32	- 0.14	+ 9.0	+ 9.2	+ 0.8	+ 0.6	+ 0.16	+ 0.18	- 3.2	- 4.0	- 0.4	- 0.4
Jun	- 0.06	+ 0.02	+ 7.0	+ 6.2	- 1.2	- 0.2	- 0.16	- 0.22	- 2.4	+ 2.2	+ 1.4	+ 1.0
Jul	- 0.10	- 0.06	+ 1.8	+ 1.2	- 0.4	- 0.2	0.00	+ 0.08	-11.4	-12.6	+ 0.8	+ 0.6
Aug	- 0.14	0.00	+10.2	+ 5.8	- 1.0	- 1.6	- 0.02	- 0.10	+ 5.2	+ 9.0	+ 1.0	+ 1.0
Sep	0.00	- 0.02	+10.0	+ 7.8	0.0	0.0	- 0.02	- 0.08	- 9.0	+ 2.0	- 0.4	+ 1.4
Oct	+ 0.10	+ 0.16	+ 3.4	+ 1.8	- 0.8	- 1.4	+ 0.10	+ 0.20	-14.4	-24.4	+ 0.4	- 1.0
Nov	- 0.02	+ 0.10	+ 9.8	+10.2	+ 1.0	+ 1.4	+ 0.22	+ 0.20	-14.4	-16.0	+ 0.6	- 1.4
Dec	- 0.16	- 0.10	+ 6.2	+ 4.0	- 0.6	- 1.0	0.00	+ 0.04	- 7.6	- 2.6	+ 0.4	+11.2
I	- 0.06	+ 0.01	+ 8.0	+ 7.1	+ 0.7	+ 0.7	+ 0.30	+ 0.18	-13.7	-12.3	0.0	+ 2.1
II	- 0.05	- 0.01	+ 4.4	+ 3.0	+ 0.6	+ 0.1	+ 0.10	+ 0.06	-13.0	- 9.6	- 0.2	+ 0.2
III	- 0.16	- 0.04	+ 7.0	+ 5.6	- 0.4	- 0.4	0.00	- 0.02	- 3.0	- 1.4	+ 0.7	+ 0.6
Year	- 0.09	- 0.02	+ 6.5	+ 5.2	+ 0.3	+ 0.2	+ 0.13	+ 0.08	- 9.9	- 7.8	+ 0.2	+ 1.0

Table 36. Mean daily noncyclic change, 1932

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.03	- 0.01	+ 1.1	+ 0.9	+ 0.4	+ 0.3	- 0.06	- 0.08	+ 4.2	+ 3.5	+ 0.3	+ 0.4
Feb	- 0.01	0.00	+ 0.3	+ 0.6	+ 0.1	+ 0.3	- 0.04	- 0.09	+ 4.1	+ 3.7	- 0.1	+ 0.2
Mar	- 0.01	0.00	- 1.1	- 1.2	+ 0.2	+ 0.2	- 0.04	- 0.02	+ 6.7	+ 3.8	+ 0.7	+ 0.5
Apr	- 0.04	- 0.04	- 0.5	+ 0.1	+ 0.1	+ 0.1	- 0.07	- 0.12	+ 2.8	+ 3.7	- 0.1	- 0.5
May	- 0.01	0.00	- 0.3	- 0.5	+ 0.2	+ 0.2	- 0.05	- 0.03	+ 2.9	+ 3.7	0.0	+ 0.4
Jun	- 0.05	- 0.04	+ 1.5	+ 1.5	+ 0.1	+ 0.2	- 0.09	- 0.04	+ 1.8	+ 1.7	- 0.1	0.0
Jul	+ 0.01	0.00	- 0.2	- 0.1	+ 0.2	+ 0.2	+ 0.01	+ 0.01	+ 1.6	+ 3.1	+ 0.2	+ 0.8
Aug	- 0.02	- 0.02	- 0.3	0.0	- 0.1	0.0	- 0.06	- 0.05	+ 3.2	+ 2.6	0.0	+ 0.2
Sep	- 0.01	- 0.01	0.0	- 0.4	+ 0.4	+ 0.3	- 0.15	- 0.15	+ 3.7	+ 1.8	- 0.2	- 0.5
Oct	- 0.01	- 0.01	- 0.8	- 0.9	0.0	- 0.1	- 0.07	- 0.05	- 0.3	0.0	- 0.5	- 0.1
Nov	- 0.02	- 0.03	+ 1.4	+ 1.5	+ 0.2	+ 0.3	- 0.02	- 0.05	+ 5.1	+ 4.6	+ 0.4	+ 0.3
Dec	- 0.02	+ 0.01	- 0.3	- 0.6	+ 0.2	+ 0.1	- 0.01	- 0.05	+ 4.9	+ 2.5	- 0.4	- 0.7
I	- 0.02	- 0.01	+ 0.6	+ 0.6	+ 0.2	+ 0.2	- 0.03	- 0.07	+ 4.6	+ 3.6	0.0	0.0
II	- 0.02	- 0.02	- 0.6	- 0.6	+ 0.2	+ 0.1	- 0.08	- 0.08	+ 3.2	+ 2.3	0.0	- 0.2
III	- 0.02	- 0.02	+ 0.2	+ 0.2	+ 0.1	+ 0.2	- 0.05	- 0.03	+ 2.4	+ 2.8	0.0	+ 0.4
Year	- 0.02	- 0.01	+ 0.1	+ 0.1	+ 0.2	+ 0.2	- 0.05	- 0.06	+ 3.4	+ 2.9	0.0	+ 0.1
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.20	- 0.06	+ 2.0	+ 2.8	+ 2.8	+ 1.6	+ 0.10	+ 0.20	- 7.6	- 8.2	+ 2.4	+ 0.8
Feb	- 0.18	- 0.12	+11.0	+ 7.4	+ 0.4	+ 0.4	+ 0.24	+ 0.18	-12.8	- 9.8	- 1.8	- 1.6
Mar	+ 0.04	- 0.12	+ 5.6	+ 3.8	+ 1.2	+ 0.6	+ 0.22	+ 0.24	-13.0	- 1.2	- 2.8	- 0.8
Apr	- 0.04	- 0.10	+14.4	+10.0	+ 1.4	+ 0.4	- 0.02	+ 0.36	-16.0	-15.6	- 0.2	- 0.4
May	- 0.06	- 0.22	+ 8.0	+ 8.8	+ 1.0	+ 0.4	- 0.06	+ 0.32	-14.4	-10.2	- 0.2	+ 1.0
Jun	+ 0.10	- 0.08	+ 3.4	+ 5.6	- 0.6	- 0.6	+ 0.16	+ 0.06	- 2.2	- 0.4	+ 0.8	+ 0.4
Jul	- 0.16	- 0.12	+ 5.0	+ 5.2	- 0.8	- 0.4	+ 0.24	+ 0.30	-14.2	-13.4	- 0.8	- 0.6
Aug	+ 0.08	+ 0.04	+ 5.2	+ 6.0	+ 1.0	+ 0.6	+ 0.18	+ 0.18	- 9.8	- 8.0	- 0.6	- 0.8
Sep	+ 0.08	+ 0.05	+ 7.4	+ 4.2	+ 1.4	+ 1.0	+ 0.06	+ 0.14	-10.8	- 8.8	+ 1.0	+ 0.8
Oct	- 0.08	0.00	+ 9.8	+ 5.6	+ 2.8	+ 1.2	- 0.02	- 0.02	- 9.8	- 8.0	+ 0.8	+ 0.2
Nov	+ 0.20	+ 0.10	+ 7.8	+ 6.2	+ 2.8	+ 0.8	+ 0.10	+ 0.16	- 5.4	- 7.4	- 1.2	- 1.0
Dec	0.00	- 0.06	+ 2.8	- 0.6	- 0.8	- 0.8	+ 0.30	+ 0.16	- 7.2	- 9.8	- 0.2	- 0.4
I	- 0.04	- 0.04	+ 5.9	+ 4.0	+ 1.3	+ 0.5	+ 0.18	+ 0.18	- 8.2	- 8.8	- 0.2	- 0.6
II	0.00	- 0.04	+ 9.3	+ 5.9	+ 1.7	+ 0.8	+ 0.06	+ 0.18	-12.4	- 8.4	- 0.3	0.0
III	- 0.01	- 0.10	+ 5.4	+ 6.4	+ 0.2	0.0	+ 0.13	+ 0.22	-10.2	- 8.0	- 0.2	0.0
Year	- 0.02	- 0.06	+ 6.9	+ 5.4	+ 1.0	+ 0.4	+ 0.12	+ 0.19	-10.3	- 8.4	- 0.2	- 0.2

Table 37. Mean daily noncyclic change, 1933
(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	0.00	- 0.03	- 0.1	- 0.6	+ 0.2	+ 0.2	- 0.04	- 0.05	+ 2.3	+ 2.1	+ 0.5	+ 0.5
Feb	+ 0.01	0.00	- 0.3	- 0.4	+ 0.2	+ 0.2	- 0.02	- 0.06	+ 5.1	+ 5.3	+ 1.0	+ 0.9
Mar	- 0.05	- 0.03	+ 0.3	0.0	+ 0.3	+ 0.2	- 0.06	- 0.05	+ 3.0	+ 2.0	+ 0.3	- 0.2
Apr	+ 0.04	+ 0.04	- 0.6	- 0.1	+ 0.2	+ 0.3	+ 0.07	+ 0.04	+ 1.5	+ 3.0	+ 0.3	0.0
May	- 0.05	- 0.04	- 0.1	- 0.5	- 0.1	- 0.1	- 0.10	- 0.11	+ 6.4	+ 5.9	- 0.2	- 0.3
Jun	+ 0.01	- 0.02	+ 1.1	+ 1.5	+ 0.2	+ 0.2	- 0.03	0.00	- 0.5	+ 1.7	0.0	+ 0.2
Jul	- 0.01	0.00	+ 0.4	+ 0.2	+ 0.2	+ 0.2	- 0.02	- 0.04	+ 2.6	+ 2.0	+ 0.3	+ 0.5
Aug	- 0.01	- 0.01	- 0.5	+ 0.2	0.0	0.0	- 0.02	- 0.01	0.0	+ 2.0	- 0.2	- 0.3
Sep	0.00	0.00	+ 0.1	- 0.3	+ 0.1	+ 0.1	+ 0.01	+ 0.01	+ 0.3	- 1.6	+ 0.6	+ 0.6
Oct	- 0.03	- 0.03	+ 0.2	0.0	0.0	0.0	- 0.08	- 0.04	+ 2.7	+ 2.1	+ 0.1	0.0
Nov	0.00	0.00	- 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.09	+ 0.04	+ 2.2	+ 1.5	0.0	0.0
Dec	- 0.01	- 0.02	+ 0.3	+ 0.3	+ 0.1	+ 0.1	- 0.04	- 0.08	+ 2.9	+ 1.6	+ 0.7	- 0.1
I	0.00	- 0.01	0.0	- 0.2	+ 0.2	+ 0.2	0.00	- 0.04	+ 3.1	+ 2.6	+ 0.6	+ 0.3
II	- 0.01	0.00	0.0	- 0.1	+ 0.2	+ 0.2	- 0.02	- 0.01	+ 1.9	+ 1.4	+ 0.3	+ 0.1
III	- 0.02	- 0.02	+ 0.2	+ 0.4	+ 0.1	+ 0.1	- 0.04	- 0.04	+ 2.1	+ 2.9	0.0	0.0
Year	- 0.01	- 0.01	+ 0.1	0.0	+ 0.1	+ 0.1	- 0.02	- 0.03	+ 2.4	+ 2.3	+ 0.3	+ 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.10	+ 0.02	+ 7.2	+ 4.2	+ 1.8	+ 1.2	- 0.20	+ 0.10	-18.2	-15.6	- 0.2	- 0.4
Feb	+ 0.10	- 0.16	+ 0.6	+ 5.0	+ 0.2	- 0.8	+ 0.12	+ 0.18	- 4.0	-16.0	+ 0.4	- 1.8
Mar	- 0.22	- 0.06	+ 8.6	+ 6.0	+ 0.4	+ 0.4	- 0.02	0.00	-13.0	-14.0	- 2.0	- 0.6
Apr	- 0.04	- 0.04	+ 6.4	+ 7.6	+ 0.4	+ 1.0	- 0.32	- 0.02	- 4.0	- 5.8	- 0.4	- 0.2
May	- 0.16	- 0.14	+ 2.4	+ 2.2	- 0.2	- 0.4	+ 0.76	+ 0.38	-11.8	0.0	0.0	- 0.6
Jun	- 0.14	+ 0.02	+ 3.0	+ 1.8	+ 0.2	- 0.2	- 0.14	+ 0.10	+ 2.2	+ 5.4	0.0	+ 0.8
Jul	+ 0.06	- 0.12	+ 5.6	+ 5.0	0.0	+ 0.4	+ 0.44	+ 0.24	-11.2	- 4.6	+ 2.0	+ 0.4
Aug	+ 0.14	+ 0.06	+ 2.0	+ 3.4	+ 1.4	- 0.2	+ 0.54	+ 0.20	-17.4	- 3.4	- 1.0	- 0.8
Sep	0.00	- 0.04	+ 5.8	+ 2.0	+ 0.4	+ 0.4	+ 0.26	+ 0.20	- 5.6	- 6.4	- 0.2	- 0.6
Oct	- 0.30	- 0.16	+ 4.6	+ 6.4	0.0	- 0.4	+ 0.32	+ 0.30	-13.0	- 8.8	- 1.2	0.0
Nov	+ 0.08	+ 0.02	+ 0.4	- 0.8	+ 0.8	- 0.6	+ 0.20	+ 0.14	-10.0	- 6.2	- 0.8	- 0.4
Dec	- 0.18	+ 0.04	+ 6.6	+ 8.0	+ 2.4	+ 1.6	+ 0.26	+ 0.20	- 4.4	- 7.6	+ 0.2	- 0.4
I	- 0.02	- 0.02	+ 3.7	+ 4.1	+ 1.3	+ 0.4	+ 0.10	+ 0.16	- 9.2	-11.4	- 0.1	- 0.8
II	- 0.14	- 0.08	+ 6.4	+ 5.5	+ 0.3	+ 0.4	+ 0.06	+ 0.12	- 8.9	- 8.8	- 1.0	- 0.4
III	- 0.02	- 0.04	+ 3.2	+ 3.1	+ 0.4	- 0.1	+ 0.40	+ 0.23	- 9.6	- 0.6	+ 0.2	0.0
Year	- 0.06	+ 0.05	+ 4.4	+ 4.2	+ 0.6	+ 0.2	+ 0.18	+ 0.17	- 9.2	- 6.9	- 0.3	- 0.4

Table 38. Mean daily noncyclic change, 1934

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	- 0.01	- 0.01	0.0	0.0	+ 0.1	+ 0.1	- 0.05	- 0.04	+ 2.2	+ 2.4	- 0.2	- 0.1
Feb	- 0.01	- 0.01	+ 0.1	0.0	0.0	+ 0.1	+ 0.01	- 0.04	+ 2.2	+ 2.4	+ 0.2	+ 0.5
Mar	- 0.01	0.00	- 0.5	- 0.5	+ 0.3	+ 0.3	- 0.09	- 0.03	+ 4.2	+ 3.3	+ 0.5	+ 0.9
Apr	- 0.01	- 0.01	+ 0.2	0.0	0.0	0.0	- 0.03	0.00	+ 1.0	+ 0.1	- 0.1	- 0.1
May	- 0.01	0.00	+ 0.3	+ 0.4	+ 0.2	+ 0.2	- 0.07	- 0.02	+ 4.6	+ 2.7	0.0	+ 0.1
Jun	- 0.01	0.00	+ 0.5	0.0	- 0.1	0.0	- 0.04	- 0.06	+ 5.8	+ 6.1	+ 0.1	+ 0.3
Jul	+ 0.01	- 0.01	- 1.1	- 0.7	+ 0.3	+ 0.1	+ 0.04	+ 0.09	+ 1.1	+ 0.3	+ 0.1	0.0
Aug	- 0.02	- 0.01	0.0	0.0	0.0	0.0	+ 0.02	+ 0.01	- 3.0	- 2.5	- 0.4	- 0.3
Sep	- 0.01	- 0.02	- 0.1	+ 0.3	0.0	0.0	- 0.05	0.00	+ 5.6	+ 5.8	+ 0.5	+ 0.3
Oct	- 0.02	- 0.02	+ 0.7	+ 0.4	- 0.1	0.0	0.00	- 0.01	+ 4.5	+ 4.0	- 0.2	+ 0.1
Nov	+ 0.02	0.00	0.0	+ 1.0	0.0	0.0	+ 0.09	+ 0.04	+ 1.9	+ 2.3	+ 0.3	+ 0.4
Dec	- 0.02	- 0.01	- 0.6	- 1.5	+ 0.1	+ 0.1	0.00	- 0.02	+ 0.1	+ 0.2	+ 0.1	0.0
I	0.00	- 0.01	- 0.1	- 0.1	0.0	+ 0.1	+ 0.01	- 0.02	+ 1.6	+ 1.8	+ 0.1	+ 0.2
II	- 0.01	- 0.01	+ 0.1	0.0	0.0	+ 0.1	- 0.04	- 0.01	+ 3.8	+ 3.3	+ 0.2	+ 0.3
III	- 0.01	0.00	- 0.1	- 0.1	+ 0.1	+ 0.1	- 0.01	0.00	+ 2.1	+ 1.6	0.0	0.0
Year	- 0.01	- 0.01	0.0	0.0	+ 0.1	+ 0.1	- 0.01	- 0.01	+ 2.5	+ 2.3	+ 0.1	+ 0.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.18	+ 0.08	+ 6.2	+ 4.6	+ 2.2	+ 0.8	- 0.34	+ 0.04	-16.2	-13.0	- 2.6	- 1.0
Feb	+ 0.26	+ 0.22	+10.0	+10.2	- 0.2	+ 0.2	- 0.18	- 0.08	- 6.2	+ 3.6	+ 0.2	+ 1.8
Mar	- 0.20	- 0.16	+ 6.8	+ 6.6	0.0	0.0	+ 0.24	+ 0.20	-17.2	- 7.0	+ 1.4	+ 3.4
Apr	- 0.04	- 0.08	+ 2.4	+ 2.0	+ 0.2	+ 0.2	+ 0.02	+ 0.02	+ 0.6	+ 4.4	+ 1.0	+ 0.6
May	- 0.20	- 0.16	+ 4.6	+ 4.4	+ 0.4	- 0.4	+ 0.14	+ 0.28	-25.4	-23.4	- 0.8	- 0.2
Jun	- 0.04	- 0.08	+ 4.8	+ 4.4	- 1.0	- 0.2	- 0.06	0.00	- 6.6	- 6.8	- 0.4	- 0.2
Jul	- 0.02	- 0.10	+ 2.2	+ 3.4	+ 0.4	- 0.4	+ 0.28	+ 0.18	- 7.4	-10.0	- 0.4	- 0.4
Aug	- 0.16	- 0.08	+ 4.6	+ 2.6	- 0.2	0.0	+ 0.28	+ 0.12	- 6.2	- 2.2	+ 0.6	- 0.2
Sep	- 0.02	0.00	+ 1.6	+ 1.8	- 0.2	- 0.4	- 0.14	- 0.10	- 5.0	-11.4	+ 1.0	+ 1.4
Oct	- 0.08	0.00	+ 1.2	+ 1.4	+ 0.2	+ 0.4	+ 0.08	+ 0.06	- 8.0	- 8.4	+ 0.2	+ 0.2
Nov	+ 0.12	+ 0.12	+ 0.4	0.0	+ 0.4	+ 0.2	+ 0.16	+ 0.18	- 8.0	- 6.6	+ 0.4	+ 0.8
Dec	+ 0.14	0.00	+ 2.0	+ 2.8	+ 1.4	+ 0.6	+ 0.26	+ 0.10	-14.2	-18.4	- 1.6	- 1.6
I	+ 0.18	+ 0.10	+ 4.6	+ 4.4	+ 1.0	+ 0.4	- 0.02	+ 0.06	-11.2	- 8.6	- 0.9	0.0
II	- 0.08	- 0.06	+ 3.0	+ 3.0	0.0	0.0	+ 0.05	+ 0.04	- 7.4	- 5.6	+ 0.9	+ 1.4
III	- 0.10	- 0.10	+ 4.0	+ 3.7	- 0.1	- 0.2	+ 0.16	+ 0.14	-11.4	-10.6	- 0.2	- 0.2
Year	0.00	- 0.02	+ 3.9	+ 3.7	+ 0.3	+ 0.1	+ 0.06	+ 0.08	-10.0	- 8.3	- 0.1	+ 0.4

Table 39. Mean daily noncyclic change, 1935

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--75° West MT						Ten selected days--75° West MT					
Jan	0.00	- 0.01	+ 0.1	+ 0.2	+ 0.1	+ 0.1	+ 0.01	+ 0.01	+ 1.7	+ 1.8	- 0.2	- 0.5
Feb	- 0.04	0.00	+ 2.6	+ 2.1	+ 0.3	+ 0.3	+ 0.03	- 0.03	+ 5.4	+ 3.7	+ 0.9	0.0
Mar	- 0.02	- 0.01	- 0.2	- 0.1	0.0	+ 0.1	+ 0.01	+ 0.02	+ 1.6	+ 1.6	+ 0.1	- 0.1
Apr	- 0.02	- 0.01	+ 0.6	+ 0.4	0.0	- 0.1	- 0.06	- 0.08	+ 1.4	+ 0.5	- 0.6	- 0.8
May	- 0.01	- 0.03	- 0.2	0.0	+ 0.2	+ 0.3	- 0.10	- 0.11	+ 3.9	+ 4.1	+ 0.3	+ 0.2
Jun	- 0.01	- 0.01	+ 0.1	+ 0.2	+ 0.1	0.0	- 0.06	- 0.06	+ 3.1	+ 1.9	- 0.1	- 0.1
Jul	0.00	0.00	- 0.4	- 0.2	+ 0.3	+ 0.3	- 0.08	- 0.13	+ 0.5	+ 3.4	- 0.6	- 0.3
Aug	- 0.02	- 0.01	- 0.1	+ 0.1	- 0.3	- 0.2	- 0.06	- 0.08	+ 3.2	+ 1.7	+ 0.6	+ 0.8
Sep	+ 0.01	- 0.02	- 0.1	+ 0.4	+ 0.1	+ 0.1	- 0.04	- 0.11	+ 7.6	+ 4.9	+ 0.4	- 0.5
Oct	0.00	0.00	+ 0.2	- 0.5	+ 0.1	- 0.1	- 0.26	- 0.20	+ 4.3	+ 3.8	- 0.1	- 0.4
Nov	- 0.01	- 0.01	- 0.5	- 0.5	- 0.1	0.0	- 0.14	- 0.05	+ 4.9	+ 5.6	+ 0.3	+ 0.3
Dec	- 0.02	- 0.01	+ 0.4	+ 0.3	+ 0.1	+ 0.1	+ 0.08	- 0.19	+ 3.2	+ 1.6	+ 0.3	+ 0.1
I	- 0.02	- 0.01	+ 0.6	+ 0.5	+ 0.1	+ 0.1	0.00	- 0.06	+ 3.8	+ 3.2	+ 0.3	0.0
II	- 0.01	- 0.01	+ 0.1	0.0	0.0	0.0	- 0.09	- 0.09	+ 3.7	+ 2.7	0.0	- 0.4
III	- 0.01	- 0.01	- 0.2	0.0	+ 0.1	+ 0.1	- 0.08	- 0.10	+ 2.7	+ 2.8	0.0	+ 0.2
Year	- 0.01	- 0.01	+ 0.2	+ 0.2	+ 0.1	+ 0.1	- 0.06	- 0.08	+ 3.4	+ 2.9	+ 0.1	- 0.1
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.20	+ 0.02	+ 3.8	+ 1.4	+ 0.2	- 0.4	- 0.04	- 0.10	- 6.8	+ 2.2	+ 0.6	+ 1.6
Feb	+ 0.02	- 0.14	+13.0	+ 4.8	+ 3.4	+ 2.2	- 0.02	- 0.17	+ 2.5	+ 8.0	+ 4.0	+ 2.0
Mar	- 0.08	- 0.12	+ 6.2	+ 6.8	- 0.2	- 0.4	+ 0.10	+ 0.04	- 7.6	0.0	+ 1.0	+ 1.0
Apr	- 0.18	- 0.12	+ 7.2	+ 7.2	- 0.6	0.0	+ 0.06	+ 0.18	- 7.4	- 6.4	0.0	+ 0.2
May	- 0.14	- 0.16	+ 6.2	+ 6.4	+ 0.4	+ 0.4	+ 0.36	+ 0.22	-23.4	-18.8	- 0.2	+ 0.2
Jun	- 0.22	- 0.18	+ 4.2	+ 4.2	- 0.6	- 0.4	+ 0.24	+ 0.10	-25.2	-23.6	+ 0.2	0.0
Jul	+ 0.14	- 0.08	+ 8.0	+ 8.0	+ 1.0	+ 0.4	+ 0.68	+ 0.46	-20.6	-19.2	+ 1.4	+ 1.4
Aug	- 0.22	- 0.30	+ 5.2	+ 5.0	- 0.4	+ 0.2	+ 0.02	+ 0.06	- 6.8	- 7.8	- 1.6	- 1.6
Sep	+ 0.04	- 0.08	+ 5.0	+ 6.8	+ 0.8	+ 0.4	+ 0.58	+ 0.22	-29.8	-27.8	+ 0.2	+ 0.2
Oct	+ 0.24	- 0.16	+ 6.0	- 3.0	+ 0.4	+ 0.8	+ 0.58	+ 0.44	-32.8	-27.2	- 0.4	- 0.2
Nov	+ 0.24	- 0.18	+14.0	+ 9.4	+ 1.4	+ 1.0	+ 0.04	+ 0.10	-11.6	-13.6	+ 0.8	+ 0.4
Dec	- 0.14	- 0.04	+ 4.2	+ 4.6	+ 1.4	+ 1.0	+ 0.02	- 0.12	- 5.8	- 7.0	+ 1.6	+ 0.6
I	+ 0.08	- 0.08	+ 8.8	+ 5.0	+ 1.6	+ 1.0	0.00	- 0.07	- 5.4	- 2.6	+ 1.8	+ 1.2
II	- 0.12	- 0.12	+ 6.1	+ 4.4	+ 0.1	+ 0.2	+ 0.33	+ 0.22	-19.4	-15.4	+ 0.2	+ 0.3
III	- 0.11	- 0.18	+ 5.9	+ 5.9	+ 0.1	+ 0.2	+ 0.32	+ 0.21	-19.0	-17.4	0.0	0.0
Year	- 0.05	- 0.13	+ 6.9	+ 5.1	+ 0.6	+ 0.4	+ 0.22	+ 0.12	-14.6	-11.8	+ 0.6	+ 0.5

TABLES 40-537

HOURLY MEAN VALUES OF DECLINATION, HORIZONTAL INTENSITY, AND VERTICAL INTENSITY, 1922-1935

CONTENTS

Hourly mean values of declination, horizontal intensity, and vertical intensity

Year	Table	Page
1922	40- 69	112
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TABLE 40

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1922

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Δ																		Δ	130	129	127	128	119							
2				86	83	82	77	83	85	76	73	76	81	88	96	105	108	108	96	86	86	87	89	87	89	88	86	88	1	12 28	123	7 56	69	54
3				85	82	80	82	83	86	80	76	75	79	87	101	115	110	103	88	86	90	88	93	89	90	87	86	88	1	13 54	119	8 12	74	45
4				86	85	85	89	88	89	85	76	75	78	87	106	106	115	115	96	89	87	86	87	87	87	86	85	90	1	11 08	114	8 25	73	41
5			✓	85	84	83	79	85	82	70	61	56	71	76	102	121	130	117	108	106	96	97	105	97	96	96	93	92	1	13 04	152	8 21	47	105
6	✓			109	87	81	78	85	86	79	77	89	95	102	108	111	117	110	104	92	87	86	88	87	87	87	86	92	1	13 39	119	7 06	77	42
7	✓	✓		85	84	81	81	83	84	75	66	65	69	76	86	93	98	96	96	89	86	82	84	84	84	83	81	83	0	14 00	102	8 33	61	41
8	✓	✓		81	81	84	79	79	78	74	66	68	69	69	76	86	96	106	96	86	77	79	85	85	85	85	84	81	0	14 24	112	7 30	65	47
9	✓	✓		84	81	80	83	83	85	85	86	(86)	80	87	91	95	98	97	96	89	86	83	86	86	86	86	84	87	1	14 06	99	9 21	76	23
10			✓	75	71	76	74	85	81	70	76	80	83	82	82	93	101	106	96	93	95	95	90	90	88	87	87	86	1	13 22	107	2 00	65	42
11				85	84	85	85	86	86	78	77	85	87	88	88	87	86	84	81	79	77	84	86	86	85	85	85	84	1	11 55	97	7 04	75	22
12				85	85	83	82	83	86	79	74	74	79	98	109	102	98	97	96	88	89	92	86	86	87	86	83	88	2	11 00	120	8 00	67	53
13			✓	79	77	86	89	89	96	86	77	86	76	76	86	99	106	106	99	96	96	95	(96	96)	93	88	87	90	2	13 30	117	9 54	67	50
14			✓	87	86	89	93	93	99	104	96	93	96	105	104	96	90	91	86	85	84	87	88	87	86	86	86	92	2	5 48	116	13 41	78	38
15	✓			86	86	86	87	88	87	84	77	77	77	86	98	110	111	106	95	85	83	81	(86	86)	87	87	86	88	1	13 29	115	9 51	75	40
16	✓			86	85	85	87	89	89	80	75	67	69	77	89	99	106	102	96	89	86	85	86	86	85	85	85	86	1	13 23	107	8 21	65	42
17				80	79	78	77	81	85	79	68	73	75	79	101	102	109	107	95	80	85	89	91	95	91	87	86	86	1	14 15	115	7 38	66	49
18				86	84	79	75	72	78	77	76	85	87	89	104	109	112	107	101	99	95	95	85	85	85	80	78	88	1	13 18	116	4 21	67	49
19				82	85	85	86	84	84	82	76	76	76	84	89	101	102	96	85	83	82	86	85	85	84	83	81	85	1	13 40	106	7 32	72	34
20				81	83	85	87	81	79	72	66	65	66	73	85	92	95	95	88	84	85	85	85	84	84	83	79	82	1	13 46	102	7 10	64	38
21	✓			76	75	75	75	75	75	66	55	48	49	56	65	73	75	77	77	78	80	80	(85	85)	85	85	85	73	1	[21 30	86]	9 02	45	[41]
22				85	85	85	85	85	85	83	84	87	91	95	104	109	106	98	86	85	79	82	(84	85)	85	84	83	88	1	12 08	112	7 01	78	34
23	✓	✓		79	80	79	80	82	84	84	77	71	70	68	72	76	81	79	75	69	71	75	82	81	80	79	75	77	0	6 25	85	10 20	65	20
24	✓	✓		75	76	76	76	84	85	81	74	66	66	73	85	95	97	98	95	89	83	78	77	78	78	77	75	81	0	13 22	101	9 30	65	36
25	✓			75	66	65	80	83	80	69	59	64	72	78	90	98	95	86	76	65	71	82	85	84	85	84	84	78	1	12 36	102	7 43	49	53
26				82	80	79	85	84	82	73	70	75	76	81	86	98	100	96	82	75	75	76	82	80	79	82	83	82	1	13 00	105	7 02	66	39
27				84	83	82	78	80	80	79	82	Δ																						
28																																		
29																																		
30			✓																															
31																											Δ							
MEANS ALL DAYS [a]				83	81	81	82	84	85	79	74	74	77	82	92	99	102	99	92	86	84	85	87	86	86	85	84	85						43 [a]
MEANS TEN DAYS *				84	80	79	81	83	83	78	71	70	72	77	86	94	97	96	91	83	81	81	84	84	84	84	82	83						38
MEANS FIVE DAYS † (G. M. T.)				81	80	80	80	82	83	80	74	71	71	75	82	89	94	95	92	84	81	81 79	85 83	84	84	84	82	82						
MEANS FOUR DAYS ‡ [b] (G. M. T.)				82	80	84	84	83	90	82	78	79	82	85	94	102	107	105	97	95	93	94	89	89	88	86	85	89						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

[a] Twenty-five days only, omitting incomplete days March 1 and 27 to 31

[b] Omitting incomplete Greenwich day March 30

TABLE 41

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1922 — APRIL 1922

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Δ																														
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9			✓																			Δ	83	83	83	82	82							
10				82	83	81	86	89	90	92	91	90	87	88	91	96	104	104	92	84	82	82	82	82	83	84	83	88	1	14 07	112	17 27	78	34
11	✓			83	84	86	86	89	92	95	102	100	92	92	96	101	92	77	74	76	81	82	82	83	88	84	83	88	1	7 50	103	15 20	71	32
12			✓	83	84	83	82	85	91	99	111	113	128	134	124	112	92	82	75	73	82	83	92	89	83	86	91	94	1	10 15	141	16 25	72	69
13				83	84	83	84	85	85	85	82	82	92	101	104	102	92	89	82	81	81	80	74	81	84	84	84	86	1	11 40	111	19 30	72	39
14				83	83	83	83	89	86	82	80	74	82	92	95	96	94	93	89	84	84	83	83	82	82	82	82	85	1	12 30	102	8 20	72	30
15				82	83	85	89	85	83	75	66	61	61	71	74	81	82	82	82	82	82	82	83	83	83	83	82	79	1	3 18	92	8 35	55	37
16	✓	✓		82	82	83	82	85	88	91	88	75	71	82	83	81	82	83	86	83	81	81	82	82	82	82	81	82	1	15 16	92	9 35	69	23
17	✓	✓		82	82	82	82	84	85	90	86	82	75	79	80	101	102	94	91	85	82	82	82	83	82	82	82	85	1	13 15	103	9 48	73	30
18	✓	✓		82	82	83	83	84	90	91	89	82	83	91	99	102	101	99	94	91	83	82	82	82	82	82	82	88	0	12 00	103	8 42	79	24
19	✓	✓		83	83	83	84	85	92	93	91	93	97	103	103	103	102	96	89	83	80	81	81	83	83	83	83	89	0	10 35	106	16 20	76	30
20	✓	✓		83	83	83	83	83	84	85	83	76	81	83	84	89	92	93	93	84	82	83	82	81	81	81	82	84	1	14 45	94	8 30	74	20
21				75	82	83	84	90	93	96	92	83	83	82	84	83	80	83	83	82	76	73	73	83	83	83	82	83	1	7 33	102	19 12	64	38
22			✓	73	74	71	83	93	93	93	96	94	92	85	96	96	93	97	101	94	83	82	83	83	83	83	82	88	1	7 18	103	7 22	63	40
23				83	83	83	87	92	93	89	83	79	79	82	84	85	87	95	102	95	86	86	92	86	83	82	80	87	1	15 27	104	8 40	74	30
24			✓	80	77	74	75	78	73	75	81	79	79	83	80	80	73	81	84	89	84	83	(83	83)	83	83	76	80	2	16 20	103	5 40	64	39
25				72	75	75	78	83	91	93	93	92	93	92	92	91	72	72	73	83	83	80	84	82	82	86	83	83	1	7 07	103	13 27	63	40
26			✓	73	76	77	82	83	86	93	99	100	95	93	93	85	76	78	83	84	84	83	(83	83)	83	83	83	85	1	8 54	107	0 38	72	35
27				83	82	76	83	84	84	84	79	73	72	73	76	83	84	93	93	92	84	83	83	82	83	83	84	82	1	15 00	100	9 40	66	34
28	✓			83	83	83	83	83	87	94	93	92	89	92	92	86	93	93	92	86	85	83	79	78	78	78	76	86	1	6 32	102	3 14	81	21
29				76	76	80	75	75	83	84	80	80	83	82	78	83	82	82	79	79	83	81	82	82	82	82	80	80	1	6 38	96	4 10	68	28
30	✓			80	81	82	83	84	89	94	93	85	85	88	95	103	104	103	93	82	75	76	76	80	83	83	82	87	1	12 40	110	17 25	73	37
31																																		
MEANS ALL DAYS a)				80	81	81	83	85	88	89	88	85	86	89	91	92	89	89	87	84	82	81	82	83	83	83	82	85						a) 34
MEANS EIGHT DAYS b) ✻				82	82	83	83	85	88	92	91	86	84	89	92	96	96	92	89	84	81	81	81	82	82	82	81	86						b) 27
MEANS FIVE DAYS c) † (G. M. T.)				82	82	83	83	84	88	90	87	82	81	88	90	95	96	93	91	85	82	82 82	82 82	83	82	82	82	86						
MEANS FOUR DAYS d) ‡ (G. M. T.)				77	78	76	80	85	86	90	97	96	98	99	98	93	84	84	86	85	83	83	83	84	84	84	82	86						

DESIGNATIONS AND REMARKS

✻ = EIGHT LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-one days only, omitting incomplete days April 1 to 9 b) Eight days only c) April 15, 17, 18 and 20 substituted for April 4, 5, 6 and 7 d) Omitting incomplete Greenwich day April 9

TABLE 42

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1922 — MAY 1922

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			76	76	75	77	80	83	83	83	83	83	83	92	100	96	95	92	83	76	76	75	76	79	78	75	82	0	12 55	103	2 30	74	29
2	✓	✓		80	81	80	83	84	85	84	85	94	94	90	95	95	104	101	94	85	83	82	77	76	79	81	83	86	0	13 25	108	0 01	75	33
3	✓	✓		83	83	81	83	83	84	84	85	84	84	85	97	105	111	104	93	84	83	80	75	75	75	77	77	86	0	13 30	113	0 01	75	38
4	✓			78	78	77	83	84	84	87	89	81	74	74	74	93	97	104	99	86	77	74	85	85	85	85	85	84	1	14 55	107	9 45	71	36
5				77	81	81	84	85	90	88	74	54	53	55	63	66	77	92	93	84	74	73	76	76	77	77	75	76	1	15 40	96	9 25	50	46
6				76	76	75	83	87	95	95	85	90	83	81	80	77	79	85	82	74	73	76	75	76	75	77	76	80	1	6 09	101	17 20	69	32
7			✓	81	79	77	83	81	86	93	84	79	74	73	64	73	74	73	67	63	71	81	87	91	83	84	87	79	2	6 45	97	11 10	63	34
8			✓	84	89	94	94	96	104	108	113	102	85	84	90	92	91	93	88	85	84	85	85	84	84	84	83	91	2	7 40	115	0 03	81	34
9			✓	84	84	84	84	88	94	102	101	85	75	71	75	77	91	78	79	78	79	78	75	83	76	77	76	82	1	7 20	104	10 42	66	38
10				81	84	84	84	84	94	104	101	92	83	84	64	65	67	74	82	81	74	74	84	76	84	81	82	82	1	6 42	108	11 35	60	48
11				83	83	83	84	85	92	104	115	115	104	93	84	83	83	82	74	74	74	74	74	75	77	79	81	86	1	8 50	123	16 20	73	50
12	✓			82	81	82	83	85	92	104	107	103	92	83	74	73	75	76	75	73	72	73	74	76	77	78	77	82	1	7 25	111	17 30	66	45
13				81	81	81	84	84	93	104	112	111	107	104	104	104	94	85	76	72	73	74	74	74	75	75	79	88	1	8 35	113	17 05	68	45
14	✓			79	80	80	84	84	94	89	93	84	83	82	84	89	95	102	92	84	77	75	74	75	75	76	75	84	1	14 20	104	17 20	74	30
15	✓	✓		76	77	78	82	84	85	94	102	94	87	89	94	95	96	95	76	74	74	74	74	74	74	74	75	83	0	7 45	103	18 45	73	30
16			✓	74	76	79	84	84	86	95	101	94	93	94	86	87	94	94	92	85	75	73	74	82	79	79	77	85	2	14 40	104	18 15	64	40
17				77	81	83	84	93	92	91	87	85	80	77	85	94	97	104	94	83	74	74	74	74	75	75	75	84	1	14 30	104	18 30	72	32
18				77	81	82	85	85	86	88	85	75	72	74	84	85	90	95	86	75	73	74	75	75	75	75	75	80	1	14 20	96	9 50	68	28
19				76	83	85	85	85	88	95	95	94	85	82	82	86	89	86	77	72	74	75	75	76	76	77	78	82	1	7 33	99	17 00	66	33
20				79	82	82	82	84	86	94	92	79	65	58	51	55	65	78	76	75	73	70	69	73	73	77	75	75	1	7 10	95	11 45	48	47
21			✓	75	75	74	82	85	88	95	97	92	82	68	65	66	74	79	77	71	70	75	85	78	78	79	77	79	1	7 10	114	11 20	55	59
22				74	74	77	76	76	84	91	98	95	85	75	74	76	84	87	86	75	71	75	76	76	75	76	75	80	1	8 00	105	17 00	65	40
23				73	66	72	77	84	85	91	87	85	76	74	77	84	85	91	94	85	76	77	80	77	78	77	76	80	1	7 10	97	1 50	64	33
24				77	75	75	75	77	85	95	89	84	68	65	65	73	78	86	94	86	77	75	75	75	75	75	75	78	1	6 20	99	11 20	62	37
25				75	75	76	78	85	86	94	83	84	65	62	65	66	69	78	83	77	75	75	75	75	75	75	76	76	1	7 02	97	10 25	54	43
26				76	76	78	77	78	83	75	74	65	65	58	54	65	84	88	85	85	75	76	76	78	78	81	75	75	1	15 00	95	11 10	45	50
27				74	76	76	78	81	85	99	105	92	78	75	76	81	81	89	84	75	74	74	74	75	74	75	75	80	1	7 10	107	0 01	66	41
28				75	76	77	77	83	83	85	85	85	85	78	79	77	75	77	85	82	75	75	74	74	74	76	75	79	1	6 35	91	13 45	72	19
29	✓			75	75	75	75	76	77	85	86	87	89	91	88	76	74	85	94	85	75	74	(74	76)	76	77	75	80	0	11 05	96	13 30	72	24
30	✓	✓		75	75	76	75	76	83	92	95	93	84	77	74	75	77	84	86	82	74	73	74	74	74	75	75	79	0	7 10	95	17 40	68	27
31	✓	✓		75	74	75	76	78	85	88	95	91	82	78	85	84	86	87	85	75	66	70	(75	75)	74	75	75	80	0	7 55	99	17 30	65	34
MEANS ALL DAYS				78	78	79	81	83	88	93	93	88	81	78	78	81	85	88	85	79	75	75	76	77	77	78	77	81						37
MEANS TEN DAYS ✱				78	78	78	80	81	85	89	92	89	85	83	86	88	91	93	89	81	76	75	76	76	77	78	77	83						33
MEANS FIVE DAYS † (G. M. T.)				78	78	78	80	81	84	88	92	91	86	84	89	91	95	94	87	80	76	76 76	75 75	75	77	77	77	83						
MEANS FIVE DAYS ‡ (G. M. T.)				80	81	82	85	87	92	99	99	90	82	78	76	79	85	83	81	76	76	78	78	80	78	79	79	83						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 43

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1922

JUNE 1922

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				75	75	76	77	79	82	89	95	87	79	76	77	78	77	85	85	74	64	65	67	68	69	70	73	77	1	7 15	96	17 30	58	38
2				74	74	73	78	83	85	87	89	82	74	71	73	73	75	74	74	72	65	76	81	83	81	81	79	77	1	7 25	97	17 20	56	41
3			✓	77	77	84	84	87	92	100	104	103	81	75	66	67	73	81	78	66	66	72	76	77	76	78	80	80	1	7 00	107	17 15	61	46
4				82	81	81	86	87	89	96	106	104	96	88	87	91	87	86	74	71	69	70	74	76	76	77	76	84	1	7 45	109	17 30	66	43
5			✓	76	76	76	75	77	87	95	96	87	85	79	80	87	91	86	80	71	70	73	77	77	79	79	79	81	1	7 30	100	16 55	66	34
6				78	75	78	85	87	90	96	104	96	88	79	76	77	84	79	75	72	76	76	77	77	78	80	80	82	1	7 25	106	16 05	67	39
7				79	79	80	86	86	88	90	92	89	85	83	89	94	100	101	94	84	75	72	74	75	76	77	78	84	1	14 05	106	18 00	68	38
8	✓			78	78	78	85	86	87	97	98	89	78	78	86	87	86	83	77	73	72	72	71	76	79	78	78	81	1	6 55	106	18 45	66	40
9	✓			78	77	78	83	84	87	94	97	98	96	91	96	92	89	86	79	76	75	75	73	74	76	76	76	84	0	8 10	104	19 15	73	31
10	✓	✓		78	78	80	85	84	86	93	99	98	86	79	81	81	80	81	75	72	71	74	76	77	78	79	78	81	0	7 50	104	16 00	70	34
11	✓	✓		79	80	80	82	84	86	93	100	96	85	78	80	85	86	85	85	84	72	70	71	73	75	77	76	82	0	8 05	104	17 40	66	38
12				69	75	80	80	83	86	90	96	97	86	76	74	81	82	81	75	67	65	65	70	74	75	75	76	78	1	8 20	101	18 15	60	41
13				78	82	85	84	86	87	93	94	86	83	82	80	74	71	75	81	79	75	74	73	72	76	79	80	80	1	6 55	98	13 00	68	30
14	✓			78	79	83	84	84	85	87	87	86	84	76	75	86	90	86	91	72	71	74	75	76	76	78	78	81	1	6 40	93	17 10	66	27
15	✓	✓		78	77	79	81	82	81	80	81	81	79	78	75	77	83	87	87	82	74	73	75	75	76	76	77	79	0	15 15	89	18 45	70	19
16			✓	77	77	77	80	84	87	95	86	76	66	64	71	70	74	76	75	70	68	74	84	86	83	81	80	78	1	6 25	98	10 45	62	36
17				79	77	78	79	82	87	89	94	88	87	86	76	74	76	85	84	78	76	69	68	75	76	71	75	80	1	7 15	96	18 50	64	32
18				77	77	75	76	79	86	99	106	105	97	95	95	93	88	79	69	66	66	68	71	72	76	75	76	82	1	8 00	116	16 20	65	51
19				76	77	76	77	79	80	86	96	100	97	91	90	95	96	95	89	85	78	76	73	74	75	75	76	84	1	8 10	106	0 15	71	35
20				75	73	74	78	81	82	87	90	84	75	67	73	76	85	90	96	86	72	71	72	74	73	73	74	78	1	7 30	96	18 00	66	30
21				75	75	76	76	77	82	97	104	98	87	84	76	73	74	76	85	81	74	72	72	73	74	74	75	80	1	7 55	106	12 45	66	40
22	✓			74	72	71	76	80	85	89	95	87	78	66	64	64	75	85	86	82	75	75	75	74	75	75	76	77	1	7 00	97	11 25	63	34
23				75	74	75	74	75	82	86	86	77	64	58	64	68	75	75	74	75	72	70	72	71	74	74	76	74	1	7 05	90	10 30	56	34
24	✓	✓		75	74	74	76	76	80	89	98	96	96	95	84	83	86	86	81	75	67	67	73	71	71	71	73	80	0	7 45	98	17 30	66	32
25	✓	✓		74	74	74	76	80	82	85	87	86	87	90	88	95	91	87	76	65	64	66	70	72	74	74	76	79	1	12 45	97	17 00	60	37
26	✓			75	76	76	77	80	86	87	95	96	96	91	86	92	89	84	76	66	65	65	(70	70)	71	73	74	80	0	8 45	98	17 15	63	35
27				74	76	78	86	86	85	86	94	87	78	74	81	82	85	86	82	76	75	74	74	74	75	76	75	80	1	7 35	96	10 45	70	26
28				74	74	74	76	81	85	90	97	97	93	96	91	86	86	79	76	73	65	61	(65	66)	76	76	76	80	1	8 05	106	18 35	60	46
29			✓	78	80	84	86	86	82	83	94	93	88	85	79	77	74	70	61	59	71	70	72	73	74	75	77	78	1	8 55	96	16 15	46	50
30			✓	77	78	77	85	86	83	88	106	116	102	89	76	76	84	73	60	56	58	66	68	70	76	76	76	79	1	8 25	123	16 45	54	69
31																																		
MEANS ALL DAYS				76	77	78	80	82	85	91	96	92	85	81	80	81	83	83	79	74	70	71	73	74	76	76	77	80						38
MEANS TEN DAYS ✻				77	76	77	80	82	84	89	94	91	86	82	82	84	86	85	81	75	71	71	73	74	75	76	76	.80						33
MEANS FIVE DAYS † (G. M. T.)				77	77	77	80	81	83	88	93	91	87	84	82	84	85	85	81	76	70	72 70	74 73	74	75	76	76	80						
MEANS FIVE DAYS ‡ (G. M. T.)				77	78	80	82	84	86	92	97	95	84	78	74	75	79	77	71	64	67	71	73	75	77	77	77	79						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 41

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1922 — JULY 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	76	77	77	78	83	86	89	96	94	86	83	87	87	77	76	70	65	66	68	67	66	76	75	76	78	1	8 15	104	16 20	57	47
2				76	76	77	78	81	85	87	87	86	78	74	77	85	77	76	68	66	65	59	63	66	67	76	76	75	1	8 03	96	19 00	56	40
3				77	76	76	82	86	87	91	95	85	81	71	71	76	77	74	63	60	65	66	(67	74	75)	76	76	76	1	7 20	99	15 45	58	41
4				76	76	77	78	81	86	95	98	93	81	78	80	86	86	86	78	66	68	68	70	70	73	75	76	79	1	7 50	106	16 55	65	41
5				77	77	77	77	84	86	95	93	76	68	68	67	69	71	73	68	66	66	65	68	69	73	74	76	74	1	7 10	96	17 30	64	32
6				76	75	66	75	78	86	96	106	106	88	79	78	77	75	68	67	66	67	66	67	69	75	77	76	77	1	7 35	108	2 30	59	49
7	✓			76	76	77	78	79	86	88	95	88	86	76	75	71	66	57	64	59	66	71	68	74	75	76	75	75	1	7 30	97	14 35	56	41
8	✓	✓		76	76	76	76	77	83	89	96	96	86	77	72	73	75	75	76	78	76	68	67	70	71	71	73	77	0	7 45	102	19 00	66	36
9	✓			73	75	75	78	79	83	88	96	95	86	77	83	95	86	74	73	75	75	70	70	69	73	72	74	79	1	7 10	99	18 30	66	33
10	✓			68	75	76	78	85	86	95	96	93	85	76	76	76	77	76	76	69	70	67	68	72	75	76	76	78	1	7 15	98	18 20	66	32
11	✓	✓		76	76	76	77	77	77	78	86	86	81	79	78	85	86	86	87	77	69	68	75	74	75	75	75	78	1	8 00	89	17 35	66	23
12	✓	✓		75	75	76	76	77	78	81	86	85	84	82	83	82	78	76	75	76	75	73	69	67	69	71	73	77	0	8 00	88	20 35	66	22
13				72	75	76	77	78	79	83	76	66	59	66	75	75	68	75	68	66	67	66	67	68	69	73	73	72	1	6 30	86	9 40	56	30
14				72	75	72	70	75	85	83	87	86	77	75	76	83	86	85	85	77	76	76	75	77	78	76	75	78	1	7 55	92	11 00	72	20
15				76	75	74	72	76	74	79	86	82	77	75	75	72	73	74	71	68	72	70	73	72	72	73	76	74	1	7 45	96	15 50	66	30
16			✓	75	75	75	75	75	76	85	91	95	87	87	79	86	91	92	76	66	63	64	67	71	73	73	75	78	2	14 00	101	17 15	61	40
17				76	75	75	76	77	77	79	87	86	78	68	60	65	75	80	76	67	67	71	67	68	75	74	73	74	1	8 00	96	11 25	56	40
18				74	74	75	75	78	79	85	95	87	77	77	86	91	97	96	76	66	64	68	74	72	70	70	75	78	1	14 00	104	17 10	57	47
19				74	70	70	76	77	85	86	85	76	65	66	64	69	86	92	93	77	74	70	70	71	71	72	70	75	1	14 55	96	11 10	57	39
20	✓			71	72	77	78	80	82	87	96	86	66	66	74	82	82	82	76	66	66	67	72	74	75	76	75	76	1	7 30	102	9 50	64	38
21	✓	✓		74	75	75	76	78	85	95	96	86	75	63	56	63	70	82	85	79	70	68	73	74	75	75	74	76	1	7 15	103	11 25	55	48
22	✓	✓		70	69	74	75	75	77	82	86	76	70	75	80	75	76	86	86	78	74	70	69	71	74	74	75	76	0	7 05	87	9 40	66	21
23				72	73	75	76	77	82	95	96	86	66	58	65	76	85	86	83	67	64	68	71	77	76	76	75	76	1	7 10	106	11 05	56	50
24				75	75	74	76	80	84	85	78	66	46	46	56	66	76	78	78	77	75	70	(70	72)	75	75	76	72	1	6 35	86	10 20	39	47
25	✓			75	76	78	82	83	85	92	86	75	66	66	64	65	72	75	74	68	66	65	67	68	69	75	76	74	1	6 30	96	11 55	56	40
26			✓	75	75	76	76	78	83	86	86	76	75	66	56	56	56	66	68	66	66	59	62	66	66	66	75	70	2	6 55	92	11 35	46	46
27			✓	76	76	75	76	85	87	96	99	95	94	88	78	67	75	77	69	66	65	64	(66	66)	67	69	76	77	2	7 05	107	16 50	56	51
28			✓	80	78	76	77	85	88	87	86	86	73	74	80	85	77	66	66	58	57	66	77	75	76	76	75	76	2	7 35	96	17 30	55	41
29				76	71	73	79	83	86	86	88	88	86	78	76	75	76	75	75	70	65	66	67	68	76	75	72	76	1	7 50	96	17 25	62	34
30				74	74	76	77	78	80	85	86	86	87	94	83	76	80	75	66	60	65	68	69	69	72	76	75	76	1	10 30	98	17 00	56	42
31				76	76	76	76	77	77	74	76	82	81	78	80	88	90	87	76	75	74	66	65	66	67	68	75	76	1	12 45	91	19 30	64	27
MEANS ALL DAYS				75	75	75	77	79	83	87	90	85	77	74	74	77	78	78	75	69	68	67	69	70	73	74	75	76						38
MEANS TEN DAYS ✲				73	74	76	77	79	82	88	92	87	78	74	74	77	77	77	77	72	71	69	70	71	73	74	75	77						33
MEANS FIVE DAYS † (G. M. T.)				74	74	75	76	77	80	85	90	86	79	75	74	76	77	81	82	78	73	68 69	71 71	74	75	76	75	77						
MEANS FIVE DAYS ‡ (G. M. T.)				76	76	76	76	81	84	89	92	89	83	80	76	76	75	75	70	64	63	64	67	68	70	72	76	76						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 15

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				74	75	76	76	77	78	88	96	86	82	77	76	75	75	76	75	67	66	66	66	73	73	72	74	76	1	7 35	97	17 55	65	32
2	✓	✓		73	71	71	77	81	84	90	96	94	91	87	82	86	90	84	78	74	71	71	72	71	71	71	70	79	0	7 30	97	1 20	66	31
3	✓	✓		70	71	72	78	82	84	89	89	83	74	71	66	70	74	75	78	76	71	70	70	71	72	72	71	75	1	7 00	96	11 35	65	31
4	✓			70	68	66	69	78	86	94	83	78	68	66	69	74	78	81	81	76	72	72	72	73	72	72	74	75	1	6 20	95	3 05	63	32
5				70	66	67	66	76	86	95	96	95	94	89	88	87	86	76	66	65	66	66	70	72	73	75	76	78	1	7 15	105	17 50	64	41
6	✓			75	75	76	77	77	81	84	86	82	77	79	86	96	93	85	80	69	65	66	66	67	72	75	74	78	1	12 50	97	17 40	60	37
7	✓			73	73	74	76	77	77	76	78	78	77	77	84	86	84	78	73	64	64	66	67	69	70	72	73	74	1	12 45	92	17 15	63	29
8	✓			74	74	73	75	77	81	88	87	86	78	84	90	94	96	92	80	72	68	70	70	69	70	70	72	79	0	13 20	98	17 15	67	31
9				71	73	75	76	80	86	96	96	87	70	64	61	70	77	76	66	66	73	80	86	84	84	83	76	77	1	7 10	101	11 36	58	43
10				70	76	75	75	73	75	89	107	101	97	96	96	103	106	103	94	86	76	76	75	75	75	74	73	85	1	13 50	111	0 45	68	43
11			✓	74	71	73	65	60	60	57	58	72	62	66	62	74	82	83	80	71	70	75	66	71	76	75	74	70	2	14 45	86	6 25	46	40
12			✓	68	68	68	65	66	75	82	87	91	90	85	95	100	106	98	86	67	65	66	71	69	70	74	76	79	2	13 10	107	3 10	57	50
13			✓	74	73	74	67	66	66	69	84	92	89	88	88	89	89	(88)	81	76	74	67	70	71	73	72	74	77	2	8 35	97	4 20	64	33
14			✓	74	73	71	73	73	72	70	69	75	81	89	100	100	106	108	97	82	71	66	68	68	71	71	71	79	2	14 30	112	6 15	56	56
15				70	69	67	66	75	77	75	76	66	59	56	66	77	83	83	83	75	69	68	68	71	74	72	73	72	1	14 30	86	3 40	54	32
16	✓			73	73	72	75	76	80	85	86	79	75	74	79	94	96	95	86	76	66	66	70	71	71	72	75	78	1	14 10	98	17 50	65	33
17	✓	✓		71	70	73	76	78	79	78	75	65	54	46	56	74	91	88	86	76	67	66	67	67	70	70	70	71	0	13 40	96	10 35	45	51
18	✓	✓		70	70	71	74	76	77	81	85	80	75	84	96	106	115	112	96	77	66	66	66	66	66	66	67	80	0	14 00	116	17 35	64	52
19				70	68	69	72	75	74	71	64	55	53	56	60	67	86	99	97	92	84	76	75	74	74	72	70	73	1	14 50	104	9 20	52	52
20				67	65	66	67	74	76	81	76	69	60	56	64	75	86	96	96	84	74	67	71	70	70	72	70	73	1	15 10	96	11 00	54	42
21				73	73	73	66	75	82	87	84	74	65	56	54	51	59	76	76	73	74	74	74	74	71	71	67	71	1	6 50	94	12 25	50	44
22				70	71	75	80	84	87	97	98	100	86	79	76	74	75	81	84	73	64	64	66	70	71	71	72	78	1	7 50	106	17 55	60	46
23			✓	70	73	74	77	84	87	92	96	92	87	79	70	75	76	80	79	76	75	73	67	70	76	74	70	78	1	7 25	101	11 15	67	34
24				70	72	75	73	78	86	90	94	86	76	67	66	72	81	87	84	78	75	75	73	71	71	70	71	77	1	7 10	97	11 30	65	32
25				71	71	70	74	75	83	94	96	96	90	86	78	77	85	94	86	76	66	66	66	67	71	71	72	78	1	8 10	100	18 00	65	35
26				73	72	77	77	84	86	86	86	84	76	66	66	66	75	83	77	69	65	65	68	69	67	65	66	74	1	7 03	92	18 00	59	33
27				68	71	72	78	86	94	102	94	84	73	60	56	59	66	75	78	72	69	66	66	66	67	70	74	74	1	6 25	104	11 15	55	49
28	✓	✓		73	73	74	78	84	87	96	93	80	69	64	60	61	66	69	76	74	70	68	(67	67)	67	68	71	73	1	7 45	97	11 10	57	40
29				72	74	77	78	84	87	98	104	96	84	73	64	63	66	76	76	71	66	66	66	70	71	71	69	76	1	7 30	106	12 30	59	47
30				66	71	70	74	78	83	86	83	76	66	66	73	84	95	102	96	80	71	66	(69	70)	70	70	70	76	1	14 10	104	10 10	61	43
31				72	70	70	73	77	80	86	86	77	66	55	50	54	66	75	70	66	66	66	66	66	69	71	73	70	1	7 25	95	12 00	48	47
MEANS ALL DAYS				71	71	72	73	77	81	86	87	83	76	72	73	78	84	86	82	74	70	69	69	70	72	72	72	76						40
MEANS TEN DAYS ✲				72	72	72	76	79	82	86	86	80	74	73	77	84	88	86	81	73	68	68	69	69	70	71	72	76						37
MEANS FIVE DAYS † G. M. T.				71	71	72	77	80	82	87	88	80	73	70	72	79	87	86	83	75	69	67 68	68 68	70	70	71	73	76						
MEANS FIVE DAYS ‡ G. M. T.				72	72	72	69	70	72	74	79	84	82	81	83	88	92	91	85	74	71	69	70	71	73	73	74	77						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 46

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				72	72	73	76	78	83	89	94	87	86	81	86	86	86	90	84	74	66	65	67	66	67	67	67	78	1	7 30	96	17 40	64	32
2	✓	✓		69	69	72	77	76	86	93	94	86	77	69	76	79	88	93	86	76	66	66	66	66	67	67	67	76	0	6 55	96	17 50	65	31
3	✓			67	71	75	76	77	86	96	96	88	87	85	77	86	95	96	91	76	67	68	69	68	67	68	68	79	1	7 30	98	16 55	66	32
4	✓			68	68	69	75	77	86	96	92	78	66	58	58	67	83	86	78	69	67	68	68	68	68	69	69	73	1	6 35	98	10 50	56	42
5	✓			68	68	68	69	76	85	96	96	86	77	66	59	63	68	75	76	75	68	71	72	69	68	67	68	73	1	6 45	99	12 25	56	43
6				68	67	67	65	67	83	86	77	67	62	56	53	48	57	68	76	76	77	77	76	76	75	71	66	69	1	6 35	89	12 30	46	43
7			✓	57	65	75	76	83	87	105	107	100	95	85	69	69	74	68	75	76	72	69	68	73	71	68	66	77	1	7 05	116	0 55	56	60
8			✓	63	57	68	74	68	72	79	93	91	95	96	96	93	90	88	92	83	76	75	76	76	74	72	69	80	2	11 00	106	1 30	56	50
9			✓	66	65	58	65	76	78	86	86	88	93	87	78	83	88	89	86	77	74	75	69	70	71	68	67	77	1	9 25	96	3 00	46	50
10				65	59	67	72	75	79	86	84	80	75	68	66	75	78	83	77	76	66	66	69	70	72	72	71	73	1	6 45	89	1 10	53	36
11				66	66	66	69	68	75	76	76	77	78	78	78	84	86	85	77	74	73	72	70	69	69	69	66	74	1	14 15	88	1 35	66	22
12				64	65	66	65	73	75	76	75	72	69	76	83	89	87	86	86	76	72	68	67	66	67	66	64	73	1	12 30	95	0 45	59	36
13				58	49	56	73	73	76	86	89	78	68	67	75	77	78	76	66	66	75	78	75	76	75	75	67	72	1	8 00	95	2 00	45	50
14			✓	64	53	43	48	56	59	75	86	88	97	97	95	101	88	83	77	75	76	77	78	82	85	82	78	77	2	12 30	113	2 10	36	77
15				78	77	78	78	79	86	89	82	75	65	56	50	56	67	79	86	86	84	75	77	75	74	70	70	75	2	6 00	95	11 35	46	49
16				71	70	70	74	76	79	87	80	75	67	65	67	69	76	78	77	76	72	71	71	71	71	71	73	73	1	6 20	88	10 30	64	24
17				70	69	69	74	76	80	87	71	58	48	46	59	82	86	87	86	76	67	68	69	68	68	67	68	71	1	13 45	90	10 15	45	45
18	✓			68	70	75	75	76	83	86	78	67	56	47	55	59	76	85	77	68	59	65	66	66	65	71	73	69	0	6 15	88	10 25	46	42
19	✓			70	71	74	75	78	86	87	86	77	67	65	67	75	78	77	67	61	59	66	67	68	66	66	68	72	0	7 00	87	17 20	57	30
20			✓	68	68	71	75	79	86	85	83	76	66	57	66	77	77	67	55	63	66	66	68	66	68	67	66	70	2	6 55	87	15 30	50	37
21				48	66	69	75	77	85	87	86	86	81	77	67	77	86	82	75	67	72	72	73	70	69	69	68	74	1	7 45	90	11 10	66	24
22	✓	✓		67	67	68	70	74	78	77	76	75	72	67	79	93	93	78	68	66	66	67	70	68	67	68	67	73	0	13 00	96	16 30	65	31
23	✓	✓		67	66	66	69	73	75	85	95	96	87	77	85	86	84	75	67	72	73	71	68	68	68	67	66	75	0	8 00	102	1 30	66	36
24	✓	✓		66	65	65	66	68	77	79	77	67	50	46	57	68	69	66	62	58	60	66	68	67	66	66	66	65	0	6 20	85	10 10	45	40
25				65	61	66	73	71	75	77	86	93	88	82	91	88	86	84	76	75	66	67	(67	68)	67	66	67	75	0	8 55	96	1 45	57	39
26	✓	✓		66	66	67	67	74	75	75	75	74	69	67	75	77	83	82	80	78	73	69	66	67	66	66	67	72	0	13 30	86	10 40	66	20
27				66	66	65	66	68	70	68	58	56	56	58	66	77	83	80	67	66	68	70	(69	68)	74	70	68	68	1	13 35	87	10 45	55	32
28				66	67	69	70	65	85	86	85	83	82	76	76	85	88	94	86	75	67	67	66	67	68	68	66	75	1	14 15	96	0 50	60	36
29				67	67	66	69	74	76	78	77	75	58	53	56	66	75	83	85	76	69	67	66	65	66	68	71	70	0	15 00	86	10 30	47	39
30				68	67	64	67	70	69	66	66	65	55	53	50	86	96	96	92	80	71	69	67	66	65	67	67	70	1	13 50	99	10 05	47	52
31																																		
MEANS ALL DAYS				66	66	68	71	73	79	84	84	79	73	69	70	77	82	82	78	73	70	70	70	69	69	69	68	73						39
MEANS TEN DAYS ✲				68	68	70	72	75	82	87	86	79	71	65	69	75	82	81	75	70	66	68	68	68	67	68	68	73						35
MEANS FIVE DAYS (G. M. T.) †				67	67	68	70	73	78	82	83	80	71	65	74	81	83	79	73	70	68	68 68	69 68	68	68	67	67	72						
MEANS FIVE DAYS (G. M. T.) ‡				64	62	63	68	72	76	86	91	89	89	84	81	85	83	79	77	75	73	72	72	74	72	70	67	76						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 47

DECLINATION

8 ° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		66	66	66	67	68	69	73	74	72	66	66	77	87	89	86	85	77	70	68	67	67	69	66	66	72	0	13 55	93	10 15	56	37
2				66	65	65	66	66	66	66	61	64	57	56	67	88	96	84	76	73	70	72	74	73	71	69	68	70	0	13 10	97	10 05	54	43
3				67	63	58	66	68	72	72	74	76	73	74	86	96	96	79	75	66	65	65	68	70	71	70	72	73	1	13 15	101	2 35	57	44
4				67	66	65	66	66	67	71	76	74	67	66	71	70	72	77	76	67	71	76	76	75	73	65	60	70	0	14 20	80	3 20	64	16
5			✓	56	61	59	56	60	64	73	74	82	83	87	88	89	85	78	78	76	79	77	76	77	76	73	75	74	2	12 25	106	0 55	47	59
6			✓	68	69	69	67	67	73	68	69	70	66	60	82	100	96	88	81	76	76	75	74	73	72	71	66	74	1	12 45	101	10 20	52	49
7			✓	65	64	66	66	70	71	76	86	86	79	81	93	95	95	80	71	65	71	75	74	72	70	72	73	76	1	13 10	79	1 50	38	41
8				71	66	65	66	70	74	78	80	87	88	94	102	116	127	123	104	85	75	76	74	74	72	70	69	84	1	13 40	132	2 10	61	71
9				66	64	66	65	69	68	67	76	79	79	76	76	82	88	90	86	78	75	72	74	71	70	69	66	74	0	14 40	96	1 30	58	38
10				66	65	65	66	67	69	68	74	75	71	70	76	91	97	98	80	71	69	67	71	71	68	66	67	73	0	13 50	102	1 00	64	38
11	✓			66	66	65	65	66	66	65	65	64	66	66	75	91	96	95	84	76	70	70	74	73	70	67	70	72	0	14 00	96	6 40	63	33
12				67	66	66	66	65	65	58	56	46	42	44	58	72	78	78	69	64	67	70	71	70	70	70	67	64	0	13 35	81	9 55	39	42
13	✓			67	66	65	66	67	71	74	70	67	65	66	84	100	106	94	77	66	65	66	70	70	69	67	67	73	0	13 45	107	9 35	60	47
14				65	65	66	67	68	73	69	74	69	65	66	66	92	96	89	77	66	61	66	66	67	67	67	67	71	0	13 10	97	17 20	59	38
15				66	65	65	66	70	74	68	66	56	46	45	56	73	92	96	(84)	73	66	65	66	66	66	66	66	68	0	14 15	100	10 20	44	56
16	✓	✓		65	65	66	66	67	66	66	66	64	64	76	94	97	97	96	86	71	66	66	67	67	66	66	66	72	0	14 00	100	9 10	60	40
17				63	61	62	65	65	66	63	64	66	66	74	86	87	86	89	81	66	64	67	71	71	70	66	65	70	0	12 15	94	1 20	58	36
18	✓	✓		64	64	63	61	61	64	64	62	57	57	65	72	75	76	76	72	64	67	66	71	70	68	67	66	66	0	14 30	78	8 40	55	23
19	✓	✓		66	64	62	62	62	66	61	56	56	57	63	66	72	74	70	75	70	64	66	71	69	68	66	66	65	0	16 05	75	2 10	60	15
20			✓	66	66	65	66	66	70	68	71	71	66	69	76	80	87	86	84	75	70	71	72	71	70	68	67	72	1	13 20	94	3 40	64	30
21	✓			67	66	65	65	67	71	69	71	71	71	72	76	84	84	77	80	73	67	68	70	70	69	67	66	71	0	12 30	86	2 05	60	26
22	✓	✓		65	65	64	66	67	67	66	70	71	66	63	68	71	71	76	79	69	66	67	67	66	66	66	66	68	0	15 15	82	1 10	64	18
23	✓			64	63	63	64	65	66	66	76	79	83	86	91	91	82	79	71	66	66	67	73	70	69	67	66	72	0	12 15	94	3 00	64	30
24				65	59	57	59	57	58	57	64	64	59	67	75	71	66	66	67	65	64	66	70	70	70	69	66	65	1	11 25	78	3 00	56	22
25				64	60	58	61	60	63	65	66	67	67	67	74	86	86	86	80	66	66	67	71	70	68	67	66	69	0	12 25	90	2 40	56	34
26				65	65	64	65	65	66	65	66	70	74	79	86	84	78	73	67	62	63	66	69	69	67	66	67	69	0	12 00	89	17 00	60	29
27				66	62	61	64	64	66	64	64	66	69	70	66	68	68	66	64	59	66	68	72	70	66	65	66	66	0	10 40	74	16 40	58	16
28	✓			65	63	60	64	65	63	58	62	65	68	76	86	93	93	93	87	77	71	70	70	69	66	65	66	71	0	13 48	96	6 35	56	40
29				61	57	56	58	60	57	46	38	40	44	48	62	71	71	67	68	66	65	65	66	66	66	65	66	60	0	12 35	74	7 50	36	38
30				65	62	61	66	65	64	56	57	65	76	88	96	100	94	86	75	64	66	71	74	71	70	67	54	71	0	12 35	103	24 00	46	57
31			✓	44	54	57	57	60	60	56	61	67	75	85	89	93	94	95	91	72	65	69	74	71	70	66	66	70	1	14 50	98	0 25	39	59
MEANS ALL DAYS				65	64	63	64	65	67	66	67	68	67	70	78	86	88	84	78	70	68	69	71	70	69	67	67	70						38
MEANS TEN DAYS ✲				66	65	64	65	66	67	66	67	67	66	70	79	86	87	84	80	71	67	67	70	69	68	66	66	70						31
MEANS FIVE DAYS † (G. M. T.)				65	65	64	64	65	66	66	66	64	62	67	75	80	81	81	79	70	67	67 67	69 69	69	68	67	66	69						
MEANS FIVE DAYS ‡ (G. M. T.)				60	63	63	62	65	68	68	72	75	74	76	86	91	91	85	81	73	72	73	74	73	72	68	64	73						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 48

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1922

NOVEMBER 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	59	57	59	59	64	66	65	66	62	65	76	87	87	86	87	76	67	66	72	77	74	73	72	66	70	1	14	25	1	00	36
2			✓	60	55	58	58	59	56	46	40	43	51	63	76	77	78	75	72	65	68	74	75	72	72	68	64	64	1	12	55	8	10	51
3			✓	61	59	57	56	59	57	56	60	70	86	82	87	86	85	80	67	58	62	66	68	67	66	66	64	68	1	11	50	3	40	42
4				62	62	57	56	55	53	47	55	65	72	76	78	77	77	76	72	59	62	66	72	70	69	67	66	65	0	11	55	6	25	40
5	✓			64	60	59	58	58	57	56	63	66	75	77	86	86	83	77	75	67	66	66	66	66	66	66	64	68	0	11	40	6	10	38
6	✓	✓		62	59	58	59	58	57	59	61	76	76	76	82	85	84	83	77	68	66	66	66	67	66	64	62	68	0	12	50	6	00	31
7	✓	✓		58	57	56	58	58	56	55	57	65	76	77	76	79	86	86	76	68	66	66	66	66	65	63	62	67	0	14	05	6	40	34
8				59	59	58	56	60	57	47	46	55	65	80	92	96	89	85	74	66	66	66	68	67	66	66	66	67	0	12	05	7	10	52
9				65	63	58	59	58	59	56	55	55	57	68	86	88	88	84	73	66	65	66	67	68	68	67	66	67	0	12	05	8	20	45
10				62	65	61	63	64	64	57	56	58	67	85	96	97	85	77	69	65	66	72	69	68	68	66	65	69	1	12	10	8	20	50
11				63	60	59	63	65	59	49	53	58	75	79	87	86	76	67	66	57	56	64	66	66	66	66	66	66	0	11	45	6	30	46
12	✓			66	65	63	60	60	58	55	56	56	57	66	71	66	57	56	56	55	56	59	66	66	66	66	65	61	0	11	05	7	00	53
13	✓	✓		65	65	60	60	59	56	53	55	66	78	87	96	96	93	85	76	68	67	66	(66	66)	66	66	65	70	0	11	20	6	30	50
14				65	64	60	61	60	64	63	58	58	65	69	66	66	61	57	55	57	66	67	66	66	66	62	64	63	1	10	35	15	45	51
15				61	59	58	56	56	55	55	59	66	78	68	73	72	67	55	56	56	56	63	(65	65)	64	64	60	62	1	10	20	10	35	48
16	✓			57	56	56	56	57	56	56	68	76	78	84	86	83	74	68	65	65	66	68	67	67	66	62	57	66	0	11	40	6	10	52
17				56	56	55	56	53	48	42	46	59	71	73	77	76	74	66	60	56	57	64	66	65	65	62	59	61	1	12	15	6	30	39
18	✓	✓		57	56	56	56	55	53	47	56	66	74	75	77	76	73	72	65	59	57	66	66	66	65	59	57	63	0	12	05	6	30	46
19				56	56	56	56	56	47	37	45	52	66	77	86	86	78	77	66	59	56	66	68	67	67	64	59	63	0	12	00	6	40	36
20				59	58	56	56	56	49	46	56	66	85	86	77	70	66	67	60	57	58	66	66	67	67	66	63	63	0	10	25	6	10	45
21				62	60	58	58	59	56	49	47	57	62	66	76	92	86	83	76	64	57	58	65	66	66	66	65	65	0	12	30	7	30	46
22				62	57	56	59	58	56	55	57	65	66	65	67	66	65	66	58	57	61	66	66	66	66	66	65	62	0	12	05	6	25	50
23				59	58	58	58	58	56	56	58	69	78	86	91	86	77	67	66	58	58	59	59	62	62	60	56	65	0	11	45	6	00	53
24	✓			57	57	57	57	59	57	48	50	58	75	77	86	78	72	69	66	65	63	62	66	66	67	64	59	64	0	11	20	6	50	46
25	✓			59	58	58	59	59	57	56	57	65	70	76	76	67	65	56	56	56	56	61	66	65	63	64	63	62	0	11	00	6	15	53
26	✓	✓		60	59	57	60	59	56	46	46	55	62	67	76	74	69	68	65	56	56	58	66	66	66	65	65	62	0	11	35	7	10	44
27				63	59	58	58	58	56	47	51	57	66	66	66	67	67	69	76	73	66	67	76	74	69	67	66	64	1	15	15	6	20	46
28			✓	65	62	56	54	57	56	50	58	68	77	86	95	86	75	65	66	59	66	75	77	76	68	64	67	68	1	11	50	6	20	47
29			✓	66	54	45	47	56	54	47	56	59	75	78	89	86	74	66	48	53	59	66	74	74	71	69	66	64	1	12	05	2	30	38
30				64	55	52	53	52	42	36	56	76	85	96	97	95	89	83	75	66	62	66	66	65	64	62	59	67	1	11	30	6	10	34
31																																		
MEANS ALL DAYS				61	59	57	58	58	56	51	55	62	71	76	82	81	77	72	67	62	62	66	68	68	67	65	63	65						42
MEANS TEN DAYS ✲				60	59	58	58	58	56	53	57	65	72	76	81	79	76	72	68	63	62	64	66	66	66	64	62	65						35
MEANS FIVE DAYS † (G. M. T.)				60	59	57	59	58	56	52	55	66	73	76	81	82	81	79	72	64	62	63 64	66 66	66	65	64	63	66						
MEANS FIVE DAYS ‡ (G. M. T.)				62	57	55	55	59	58	53	56	60	71	77	87	84	80	75	66	60	64	71	76	73	70	67	66	67						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 49

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 57TH MERIDIAN MEAN TIME)

DECEMBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				58	59	59	58	57	55	53	57	68	78	86	86	78	77	59	65	66	62	66	68	66	65	65	64	66	0	10 30	94	6 00	48	46
2				55	56	57	58	57	56	53	62	67	67	74	82	79	76	75	69	65	62	64	66	65	63	62	62	65	1	11 40	84	6 05	49	35
3	✓	✓		60	58	59	60	63	58	56	66	76	77	83	85	80	74	66	56	49	54	63	66	65	64	60	63	65	0	11 00	86	16 35	47	39
4	✓			61	60	59	57	61	57	54	64	73	70	71	67	65	64	66	65	54	56	52	65	64	64	62	59	62	0	8 45	76	6 15	49	27
5			✓	52	42	46	49	56	48	46	56	74	88	93	97	94	86	82	77	71	64	68	71	66	65	63	56	67	0	11 50	101	1 45	36	65
6				57	56	53	61	62	56	51	50	57	66	68	68	77	84	77	74	65	64	65	67	66	65	63	65	64	1	13 30	85	2 20	47	38
7	✓			63	60	60	60	64	58	46	48	55	56	60	65	64	65	76	57	56	56	61	65	65	63	63	63	60	0	14 25	67	6 45	45	22
8	✓	✓		60	58	56	58	64	55	44	50	58	71	83	90	95	95	87	84	71	62	63	65	6.4	61	63	64	68	0	13 00	97	6 15	42	55
9				61	60	58	59	64	60	54	62	74	77	77	84	87	87	85	76	66	65	65	67	66	65	61	60	68	1	13 15	88	6 30	52	36
10			✓	56	48	51	54	54	47	42	44	56	67	78	85	84	76	74	73	68	66	69	69	71	67	62	57	63	1	11 30	87	7 00	40	47
11				61	57	55	56	55	56	46	46	52	56	64	75	75	71	68	65	63	66	66	70	67	66	66	64	62	1	12 30	76	6 45	41	35
12				62	58	57	56	57	58	56	66	76	84	86	88	87	79	77	71	58	55	60	67	66	65	63	61	67	0	11 35	94	6 15	55	39
13				57	56	56	56	57	56	48	55	59	70	82	90	87	86	79	68	65	63	66	66	64	63	60	60	65	0	12 05	92	6 30	47	45
14			✓	56	52	49	47	49	46	38	44	56	70	74	81	85	85	80	71	62	58	63	67	68	66	59	56	62	1	12 50	87	7 00	36	51
15			✓	56	49	53	52	52	47	40	48	60	63	72	81	89	86	82	73	62	57	61	64	64	63	63	60	62	1	12 10	90	6 20	37	53
16	✓	✓		57	58	56	56	57	56	47	47	56	66	77	87	88	84	83	73	57	55	57	64	64	63	62	60	64	0	12 00	93	7 00	45	48
17	✓			59	56	56	60	58	53	45	48	60	69	81	94	82	68	54	53	50	50	58	60	61	63	62	59	61	0	11 35	96	6 35	44	52
18				57	56	55	56	56	49	44	49	61	72	81	86	82	82	82	73	60	55	57	(62	62)	63	62	60	63	0	11 40	87	6 28	42	45
19	✓			59	55	53	50	52	47	46	55	64	72	81	86	83	77	76	66	58	60	60	65	64	64	62	58	63	0	11 45	88	6 30	42	46
20				57	55	54	51	53	50	46	47	53	54	65	74	82	87	81	70	64	57	60	(66	66)	66	64	60	62	0	13 23	88	6 30	45	43
21				57	57	57	56	57	57	56	72	87	83	90	94	94	82	67	64	58	57	61	65	65	64	62	58	68	0	12 00	95	6 15	54	41
22	✓	✓		57	56	56	56	57	56	48	47	50	56	63	77	86	82	73	66	61	56	57	64	62	64	62	58	61	0	12 35	87	7 50	46	41
23	✓	✓		57	56	55	56	56	54	46	47	57	60	74	84	85	81	74	70	68	62	63	66	65	65	64	60	64	0	12 30	86	7 10	43	43
24				56	56	56	57	55	51	44	39	43	48	56	66	66	66	65	66	65	64	64	66	66	66	65	66	59	0	12 00	68	6 45	37	31
25				61	58	54	51	54	46	32	32	44	64	70	86	77	74	66	66	65	67	66	67	66	65	65	64	61	1	11 10	93	7 00	26	67
26			✓	56	51	44	48	50	53	42	48	59	76	80	96	87	78	78	76	68	69	66	65	63	65	63	64	64	1	11 35	103	2 40	38	65
27				58	56	56	53	56	55	47	46	46	49	53	53	56	58	58	56	63	63	65	(64)	63	61	61	58	56	1	18 20	66	8 40	45	21
28	✓			55	51	52	51	54	51	56	64	71	76	88	95	86	76	70	61	59	58	62	65	66	64	58	56	64	0	11 30	96	1 40	48	48
29				54	51	50	52	54	53	49	56	60	70	77	86	82	77	70	70	66	65	66	68	67	66	66	66	64	0	11 45	91	2 00	49	42
30				60	58	53	51	54	52	52	62	71	78	85	91	85	80	74	65	58	60	64	64	64	62	59	56	65	1	11 20	93	2 50	48	45
31				53	50	48	48	46	46	44	54	63	68	73	73	66	57	53	46	48	53	58	63	61	60	58	57	56	0	11 00	76	6 10	41	35
MEANS ALL DAYS				58	55	54	55	56	53	47	53	61	68	76	82	81	77	73	67	62	60	62	66	65	64	62	60	63						43
MEANS TEN DAYS ✲				59	57	56	56	59	54	49	54	62	67	76	83	81	77	72	65	58	57	60	64	64	64	62	60	63						42
MEANS FIVE DAYS † (G. M. T.)				58	57	56	57	59	56	48	51	59	66	76	85	87	83	77	70	61	58	61 61	65 65	64	63	62	60	64						
MEANS FIVE DAYS ‡ (G. M. T.)				55	48	49	50	52	48	42	48	61	73	79	88	88	82	79	74	66	63	65	66	66	65	61	60	64						

DECEMBER 1922

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 50

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MARCH 1922 — MARCH 1922

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Ⓧ																		Ⓧ	672	686	690	683	701							
2				690	686	703	707	704	697	690	703	733	776	811	839	853	833	789	745	707	698	688	692	692	697	700	703	731	1	12 35	897	1 00	681	216
3				705	708	711	714	715	717	716	732	768	825	871	893	911	842	791	743	698	683	701	711	709	710	699	703	749	1	12 29	954	17 41	673	281
4				702	692	688	703	706	705	696	696	717	774	830	924	881	861	807	764	740	727	719	718	718	715	711	711	746	1	11 06	955	7 02	678	277
5			✓	714	720	712	718	729	727	721	740	755	789	785	843	779	749	701	703	672	672	672	675	673	676	679	690	721	1	11 49	892	16 42	657	235
6	✓			690	688	684	687	696	698	694	694	730	780	811	817	821	827	796	776	747	726	713	708	706	705	703	701	733	1	10 52	840	2 8	682	158
7	✓	✓		703	705	712	714	715	713	709	723	759	792	813	829	826	807	788	775	748	730	722	717	719	715	710	708	744	0	11 51	837	0 56	702	135
8	✓	✓		705	706	707	712	712	716	718	724	755	797	812	807	815	807	807	777	762	738	721	718	711	711	711	710	744	0	14 08	824	0 32	703	121
9	✓	✓		712	714	716	721	725	723	729	743	(772)	790	861	838	813	798	788	774	757	747	732	726	732	741	734	731	755	1	10 15	903	0 02	710	193
10			✓	745	722	705	715	720	720	720	729	754	792	790	733	722	732	701	692	712	708	697	699	707	706	706	704	722	1	10 03	822	11 36	680	142
11				696	704	704	712	714	717	717	736	781	809	821	822	811	805	784	757	738	711	706	710	714	717	720	720	743	1	10 47	838	0 30	693	145
12				723	722	723	724	724	726	721	737	763	822	892	895	820	786	772	751	741	714	716	703	672	673	704	705	747	2	10 59	958	20 50	661	297
13			✓	686	671	710	697	693	695	710	731	743	702	680	732	763	757	752	730	727	716	694	(672	685)	696	697	693	710	2	11 36	826	9 53	573	253
14			✓	691	691	707	707	705	704	672	697	777	853	862	862	796	736	718	693	658	668	683	686	698	679	690	706	722	2	10 22	898	16 46	653	245
15	✓			701	695	699	701	702	699	697	725	766	807	837	846	831	803	752	743	747	741	732	(718	720)	713	711	713	742	1	11 42	852	1 49	690	162
16	✓			708	708	709	709	707	712	713	718	773	819	857	866	845	813	779	756	750	742	740	733	733	727	723	725	753	1	11 45	874	0 30	702	172
17				722	721	723	721	718	722	727	744	783	832	853	863	854	829	766	726	702	682	677	693	700	709	706	711	745	1	12 10	872	18 01	671	201
18				714	715	710	717	721	710	701	701	729	764	792	791	793	788	766	752	733	715	701	702	716	723	710	720	733	1	12 03	822	18 35	699	123
19				710	704	707	717	720	717	713	704	744	771	825	813	832	823	767	736	714	700	710	720	710	701	710	695	736	1	10 47	852	23 59	687	165
20				695	698	714	734	727	732	726	736	765	813	833	842	829	821	784	743	711	696	693	706	713	715	711	704	743	1	11 11	858	17 51	687	171
21	✓			703	702	719	716	715	715	707	701	724	750	770	766	778	786	784	784	764	745	731	(728	724)	727	725	725	737	1	15 04	801	7 21	695	106
22				728	736	740	744	746	749	731	747	771	786	812	805	794	780	771	760	746	725	710	(706	716)	717	721	721	748	1	10 45	822	18 52	703	119
23	✓	✓		720	720	720	723	727	729	730	743	755	782	793	796	790	786	780	773	760	749	740	735	734	730	726	729	749	0	11 11	801	1 06	718	83
24	✓	✓		731	729	731	727	728	729	737	751	774	806	817	818	810	789	771	762	761	748	737	739	735	743	747	743	757	0	11 01	824	23 44	725	99
25	✓			707	705	705	703	708	711	713	730	751	796	810	823	809	775	747	710	705	701	707	713	712	706	697	703	731	1	11 22	837	0 50	682	155
26				709	717	710	710	716	714	715	740	785	827	848	857	829	799	774	754	734	721	714	709	713	716	718	718	748	1	11 10	870	0 34	706	164
27				718	719	727	724	722	721	720	748	Ⓧ																						
28																																		
29																																		
30			✓																															
31																											Ⓧ							
MEANS ALL DAYS a)				708	707	711	714	716	716	713	725	757	794	819	829	816	797	769	747	729	716	710	709	710	711	711	712	740						177 a)
MEANS TEN DAYS *				708	707	710	711	714	714	715	725	756	792	818	821	814	799	779	763	750	737	728	724	723	722	719	719	744						138
MEANS FIVE DAYS † (G. M. T.)				714	715	717	719	721	722	725	737	763	793	819	818	811	797	787	772	758	742	721 730	717 727	717	716	714	714	747						
MEANS FOUR DAYS ‡ (G. M. T.) b)				709	701	708	709	712	712	706	724	757	784	779	792	765	744	718	704	692	691	686	705	702	706	712	710	722						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Ⓧ = NO RECORD

a) Twenty-five days only, omitting incomplete days March 1 and 27 to 31 b) Omitting incomplete Greenwich day March 30

TABLE 51

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1922

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Δ																														
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9			✓																			Δ	695	684	697	705	683							
10				686	707	713	702	705	703	709	726	747	767	778	759	713	704	688	717	719	708	695	680	688	704	709	695	713	1	10 32	791	19 26	673	118
11	✓			697	708	707	705	705	711	729	761	778	818	834	833	815	788	755	709	694	687	678	675	677	681	686	696	730	1	11 05	838	19 35	662	176
12			✓	700	698	708	708	708	708	715	728	775	817	862	830	814	754	710	689	654	662	665	685	710	686	687	692	724	1	10 19	882	16 37	642	240
13				696	701	705	699	704	706	703	729	769	839	877	862	833	779	727	710	702	700	688	696	673	691	698	694	733	1	10 34	882	21 02	661	221
14				699	704	706	708	710	705	699	702	742	801	850	831	815	789	741	712	700	693	699	696	693	695	701	714	729	1	10 40	859	20 40	691	168
15				707	704	709	713	721	718	705	708	739	772	808	810	787	762	722	714	719	710	706	700	717	711	707	718	729	1	11 45	824	19 25	694	130
16	✓	✓		717	713	717	721	725	726	731	739	757	784	822	814	804	777	755	740	717	696	692	702	698	693	700	727	736	1	10 18	829	22 02	689	140
17	✓	✓		704	706	712	712	714	715	717	712	713	748	772	800	804	795	773	735	714	714	713	704	701	702	700	704	728	1	12 03	812	22 33	698	114
18	✓	✓		704	708	713	717	719	723	722	725	738	776	813	844	842	798	764	735	717	711	706	702	699	698	704	706	737	0	12 01	856	21 30	695	161
19	✓	✓		709	711	713	715	719	721	717	726	757	800	834	839	827	797	755	736	728	721	719	710	707	707	712	717	742	0	10 55	843	20 55	704	139
20	✓	✓		719	720	726	727	728	731	735	746	774	806	824	827	807	791	764	727	729	725	720	713	703	696	710	709	744	1	11 30	838	21 30	693	145
21				700	702	706	721	721	709	716	725	751	772	793	776	744	688	648	659	659	649	648	659	678	695	696	684	704	1	10 13	803	18 17	634	169
22			✓	697	688	698	676	696	689	693	712	723	742	745	728	711	705	715	722	724	719	711	707	707	706	701	691	709	1	10 38	766	0 58	664	102
23				698	706	696	702	706	712	714	739	771	790	815	773	753	707	682	701	712	714	705	694	691	685	717	691	720	1	10 48	850	14 33	651	199
24			✓	697	706	701	710	723	721	713	713	747	770	814	767	756	713	711	706	719	717	711	(703	699)	699	705	706	722	2	10 18	838	14 11	682	156
25				712	704	703	715	711	707	719	746	784	819	837	833	796	766	729	700	708	705	709	681	716	686	686	718	733	1	11 25	867	19 40	661	206
26			✓	722	698	696	701	705	703	708	731	774	794	823	823	807	778	760	739	726	701	691	(697	690)	697	701	708	732	1	12 05	846	18 05	675	171
27				705	701	717	709	702	702	705	728	754	800	817	816	778	749	742	707	707	689	698	703	699	700	699	699	726	1	11 07	862	17 25	682	180
28	✓			698	709	707	711	714	708	721	740	759	787	810	811	799	779	739	736	723	710	710	709	707	713	713	706	734	1	10 15	821	0 42	695	126
29				725	716	713	719	721	734	725	727	732	778	793	762	768	739	738	720	718	715	714	711	711	709	706	705	729	1	10 40	811	23 58	704	107
30	✓			705	707	712	717	720	723	732	738	739	781	817	844	829	821	796	754	723	711	711	710	715	718	712	714	744	1	11 52	859	0 00	704	155
31																																		
MEANS ALL DAYS a)				705	706	708	710	713	713	716	729	753	789	816	809	791	761	734	718	710	703	699	697	699	699	702	704	728						158 a)
MEANS EIGHT DAYS b)	*			707	710	713	716	718	720	726	736	752	788	816	826	816	793	763	734	718	709	706	703	701	701	705	710	737						144 b)
MEANS FIVE DAYS (G. M. T.) c)		†		711	712	716	718	721	723	724	730	748	783	813	825	817	792	762	735	721	713	707 710	704 706	704	702	705	714	738						
MEANS FOUR DAYS (G. M. T.) d)		‡		704	698	701	699	708	705	707	721	755	781	811	787	772	738	724	714	706	700	694	677	690	687	696	697	720						

DESIGNATIONS AND REMARKS

* = EIGHT LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-one days only, omitting incomplete days April 1 to 9 April 4, 5, 6 and 7
b) Eight days only
c) April 16, 17, 18 and 20 substituted for
d) Omitting incomplete Greenwich day April 9

TABLE 52

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1922 — MAY 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			717	719	716	716	716	713	705	702	724	767	804	844	853	835	802	765	732	717	715	713	714	711	711	713	743	0	12 01	858	7 05	696	162
2	✓	✓		715	717	717	717	717	717	712	707	729	770	815	853	864	846	809	771	738	718	715	713	713	714	714	714	746	0	12 16	869	7 29	704	165
3	✓	✓		714	715	716	716	717	719	710	703	721	755	786	818	825	813	785	755	729	722	723	719	718	717	716	717	739	0	13 00	827	7 09	699	128
4	✓			719	721	725	738	736	737	726	726	748	767	785	804	806	795	780	762	746	732	720	708	703	715	720	719	743	1	11 43	823	20 28	700	123
5				718	728	732	730	728	730	738	742	746	760	766	777	796	778	760	736	718	713	707	704	705	711	717	723	736	1	12 15	807	19 40	700	107
6				719	728	720	727	716	716	723	707	741	768	794	799	792	770	743	735	716	709	711	710	707	698	690	687	730	1	10 58	808	24 00	683	125
7			✓	687	699	701	710	723	711	723	728	732	752	756	742	776	762	734	686	659	618	600	591	621	652	632	667	694	2	10 27	794	19 15	581	213
8			✓	684	675	683	695	690	691	704	711	698	709	728	739	726	716	702	692	671	648	657	673	675	678	681	689	692	2	11 15	756	17 10	638	118
9			✓	690	695	702	706	708	713	720	731	751	758	743	780	772	749	733	717	673	649	674	683	691	703	706	702	715	1	11 31	794	17 32	643	151
10				697	695	699	718	705	706	716	732	760	794	799	787	790	748	714	687	681	688	665	702	692	707	696	695	720	1	9 32	814	18 25	656	158
11				701	703	703	704	704	710	720	741	758	788	803	812	789	763	729	714	703	705	705	700	707	701	704	704	728	1	11 26	827	0 00	697	130
12	✓			705	708	709	709	709	713	725	738	762	786	812	825	817	793	757	731	715	704	702	699	699	706	710	702	735	1	11 20	830	21 02	697	133
13				698	723	708	707	710	714	725	745	774	802	827	843	818	792	760	730	710	705	710	710	712	709	707	707	739	1	11 30	850	0 09	695	155
14	✓			706	712	712	706	714	714	713	724	753	780	807	817	797	781	757	730	707	702	701	694	697	704	710	707	731	1	11 31	826	19 59	693	133
15	✓	✓		707	711	715	718	721	723	727	733	749	778	800	814	815	807	776	735	716	711	711	713	714	713	715	717	739	0	12 23	822	0 50	705	117
16			✓	719	719	719	728	738	743	761	759	782	821	848	822	793	800	719	693	673	647	646	683	675	671	672	678	730	2	11 00	884	18 08	636	248
17				683	692	697	697	703	711	716	715	730	739	756	767	777	748	732	721	707	697	705	710	708	713	712	706	718	1	12 03	786	0 03	681	105
18				708	709	709	714	720	720	724	729	738	759	778	780	778	756	743	727	717	704	706	701	705	705	691	691	726	1	11 28	788	24 00	681	107
19				683	697	705	706	710	712	724	746	765	788	806	807	781	782	761	743	717	698	698	697	702	706	704	702	731	1	11 37	829	0 20	677	152
20				702	706	710	721	719	723	731	742	755	772	793	787	776	767	749	748	733	729	727	714	698	678	670	682	730	1	10 06	801	22 29	659	142
21			✓	696	714	704	705	717	727	745	755	771	788	774	792	772	748	753	732	724	714	703	683	697	695	703	721	731	1	9 10	818	19 20	677	141
22				719	715	715	720	709	709	716	732	759	793	806	812	806	780	753	737	712	706	709	712	713	713	710	714	736	1	12 15	825	17 17	701	124
23				717	725	707	706	711	717	727	734	750	770	774	783	769	744	720	720	725	718	711	697	707	706	709	707	727	1	11 36	797	19 42	688	109
24				713	715	717	711	718	720	725	737	757	775	769	773	763	747	723	708	713	716	716	715	714	715	716	718	729	1	9 02	790	15 52	703	87
25				719	719	729	731	729	730	742	748	761	781	795	791	797	765	752	729	719	714	710	709	710	714	718	725	739	1	9 45	809	19 15	708	101
26				726	729	725	717	726	728	716	704	715	754	734	755	758	751	739	731	712	708	694	704	701	706	709	720	723	1	9 58	781	20 16	683	98
27				713	712	712	715	717	719	732	756	768	793	808	810	804	791	770	741	725	708	703	706	717	717	712	709	740	1	11 30	817	19 36	698	119
28				708	710	714	717	719	721	725	732	761	792	819	835	820	788	759	733	724	716	714	712	710	711	713	714	740	1	11 38	843	0 02	707	136
29	✓			714	716	719	721	725	727	728	733	747	765	787	793	790	778	762	746	736	724	719	(713	711)	710	712	715	737	0	11 30	795	[20 55	707	88
30	✓	✓		712	717	721	723	725	728	733	735	733	749	771	778	777	768	747	737	734	729	726	725	725	725	724	723	736	0	12 16	780	0 15	709	71
31	✓	✓		724	726	728	727	730	733	741	752	769	792	808	810	804	790	770	758	741	729	729	(726	724)	724	725	731	750	0	10 45	811	[21 05	722	89
MEANS ALL DAYS				708	712	713	715	717	719	725	732	749	773	789	798	794	776	751	731	714	703	701	701	703	705	704	707	731						130
MEANS TEN DAYS ✲				713	716	718	719	721	722	722	725	744	771	798	816	815	801	774	749	729	719	716	712	712	714	716	716	740						121
MEANS FIVE DAYS † (G. M. T.)				714	717	719	720	722	724	725	726	740	769	796	815	817	805	777	751	732	722	715 721	712 719	712	713	714	714	741						
MEANS FIVE DAYS ‡ (G. M. T.)				695	700	702	709	715	717	731	737	747	766	770	775	768	755	728	704	680	655	656	680	683	684	678	688	713						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 53

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1922 JUNE 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				732	732	732	735	738	744	759	767	777	805	820	828	824	823	805	788	772	759	752	748	739	737	745	746	767	1	11 54	832	0 00	731	101
2				737	724	729	730	728	723	726	737	743	757	794	804	776	766	755	716	703	686	675	680	681	690	688	699	727	1	11 20	823	18 15	669	154
3			✓	703	699	701	706	711	716	732	752	770	758	773	747	746	746	745	720	696	694	698	702	711	712	706	704	723	1	10 25	790	17 38	691	99
4				705	714	722	720	720	724	730	742	754	769	783	787	775	760	742	723	715	708	702	712	727	712	716	729	733	1	11 10	794	18 23	700	94
5			✓	711	710	715	721	723	723	714	721	731	757	768	779	766	752	733	710	704	703	699	725	693	698	710	712	724	1	9 24	802	20 45	689	113
6				722	723	709	709	712	715	726	742	769	795	809	817	791	767	736	705	685	692	699	713	704	701	709	718	732	1	11 04	837	16 35	683	154
7				711	709	715	715	716	717	723	724	739	760	770	783	775	766	742	728	717	709	704	706	708	708	710	712	728	1	11 44	789	18 53	699	90
8	✓			717	715	717	717	717	718	726	743	767	787	806	806	790	762	748	730	720	713	712	704	700	701	710	707	735	1	10 57	818	20 35	697	121
9	✓			708	705	708	714	717	714	716	720	735	755	773	786	788	772	748	717	707	708	710	709	713	713	715	717	728	0	12 07	797	1 15	703	94
10	✓	✓		722	723	721	721	720	720	729	740	752	773	788	795	791	781	763	743	725	715	709	710	711	713	717	718	738	0	11 24	800	19 49	707	93
11	✓	✓		716	719	719	719	723	723	731	741	756	772	790	808	797	787	764	740	736	734	734	734	726	722	719	724	743	0	11 22	816	1 10	715	101
12				735	725	728	734	726	725	731	738	756	768	775	771	780	747	735	720	715	710	712	715	716	716	722	715	734	1	12 43	801	18 00	704	97
13				707	707	720	721	719	719	726	735	739	756	776	793	789	766	748	729	703	689	699	707	711	698	696	709	728	1	11 45	799	17 54	680	119
14	✓			722	718	718	721	717	721	730	735	746	762	774	777	781	777	758	743	727	719	719	716	715	713	714	714	735	1	12 47	783	23 33	712	71
15	✓	✓		714	714	716	718	718	721	726	732	743	759	769	775	772	772	765	751	739	726	713	702	706	711	716	719	733	0	11 04	777	19 15	700	77
16			✓	721	724	727	725	734	735	743	751	760	776	803	817	834	813	753	723	729	726	720	700	667	673	687	693	739	1	12 37	880	19 44	663	217
17				695	702	707	711	712	718	723	733	737	764	784	767	756	760	754	744	708	698	689	701	693	710	729	704	725	1	9 56	800	18 23	674	126
18				705	710	721	721	718	722	733	755	782	801	801	805	790	784	749	727	716	711	718	712	711	708	718	720	739	1	10 47	820	0 16	700	120
19				718	720	720	718	726	720	720	731	757	776	787	799	785	765	750	736	728	722	719	719	715	716	716	716	737	1	11 36	812	6 43	713	99
20				711	723	714	720	724	725	732	749	752	759	770	767	762	752	745	735	735	726	716	714	717	716	724	724	734	1	10 08	780	0 35	705	75
21				719	718	720	723	719	727	740	764	783	799	805	794	773	753	732	726	719	719	716	713	715	717	721	716	739	1	10 31	820	19 25	711	109
22	✓			717	720	725	726	728	732	740	754	777	809	827	818	796	754	744	732	726	717	715	711	711	715	717	720	743	1	11 10	835	20 11	709	126
23				721	724	721	730	729	737	747	759	778	779	765	783	790	767	725	713	714	717	717	715	714	711	709	713	737	1	8 50	801	22 32	707	94
24	✓	✓		714	714	716	720	723	722	731	753	785	805	816	810	796	775	752	740	732	728	724	722	720	721	721	726	744	0	10 59	818	1 26	713	105
25	✓	✓		721	717	723	725	728	728	732	738	742	756	770	772	785	784	771	760	744	733	726	721	718	717	719	719	740	1	12 55	800	21 12	714	86
26	✓			720	724	724	730	732	730	734	734	743	767	792	818	817	806	788	767	748	738	732	(726	720)	723	727	731	749	0	11 50	825	[20 45	717	108
27				725	739	715	712	714	724	730	741	752	760	762	778	771	778	773	749	727	714	709	709	714	718	726	716	736	1	11 20	791	19 01	707	84
28				711	727	728	738	741	741	741	752	767	771	798	797	774	791	772	735	731	715	720	(692	680)	690	706	714	739	1	10 50	817	[21 05	678	139
29			✓	717	718	718	714	720	723	707	703	706	727	748	775	785	770	746	713	666	676	680	680	707	710	696	696	717	1	12 21	800	16 25	653	147
30			✓	703	709	710	712	714	709	711	732	749	743	777	778	765	780	755	714	688	679	694	680	686	706	700	725	722	1	10 50	805	17 30	671	134
31																																		
MEANS ALL DAYS				716	718	719	721	722	724	730	741	755	771	786	791	784	773	753	733	719	713	711	710	708	710	714	716	735						112
MEANS TEN DAYS ✲				717	717	719	721	722	723	730	739	755	774	790	796	791	777	760	742	730	723	719	716	714	715	718	720	739						98
MEANS FIVE DAYS † (G. M. T.)				717	717	719	721	722	723	730	741	756	773	787	792	788	780	763	747	735	727	716 721	714 718	715	714	715	718	739						
MEANS FIVE DAYS ‡ (G. M. T.)				711	712	714	716	720	721	721	732	743	752	774	779	779	772	746	716	697	696	698	693	700	703	704	711	726						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 54

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1922 — JULY 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	710	706	710	715	710	708	717	728	742	769	795	826	791	780	760	735	713	714	706	713	706	694	702	720	732	1	11 38	844	21 34	692	152
2				716	707	716	716	713	718	730	746	754	755	761	764	759	746	719	709	716	711	696	704	703	723	700	695	724	1	11 22	782	18 47	679	103
3				711	725	717	715	710	716	724	731	736	750	765	783	785	773	745	724	705	702	712	(698	701	711)	725	713	728	1	11 56	796	[21 45	707	89]
4				713	714	715	720	721	720	728	745	759	769	774	786	783	769	757	739	728	721	717	713	710	720	717	720	736	1	11 35	791	20 23	706	85
5				726	728	720	723	727	729	741	748	752	754	763	756	750	756	757	748	726	713	702	707	713	712	711	709	732	1	10 32	774	18 45	700	74
6				705	703	728	712	708	710	719	739	766	782	783	765	740	737	731	718	714	707	706	712	716	713	709	705	726	1	9 55	792	0 13	701	91
7	✓			708	713	713	717	722	723	728	731	737	741	762	796	775	773	748	732	716	703	708	712	712	711	713	715	730	1	11 48	801	17 45	698	103
8	✓	✓		717	717	719	720	717	720	729	745	768	787	804	801	781	755	727	717	715	721	719	721	722	723	723	723	737	0	13 11	809	16 27	711	98
9	✓			724	724	724	726	728	730	742	754	770	786	790	810	805	769	730	722	720	722	720	716	723	723	723	724	742	1	11 24	816	19 27	714	102
10	✓			729	723	727	728	732	737	742	756	781	810	813	826	798	783	751	737	730	729	726	715	712	715	717	721	747	1	11 26	837	20 38	709	128
11	✓	✓		719	719	721	724	725	727	723	727	733	756	772	792	796	799	778	749	730	717	714	712	712	715	723	725	738	1	11 48	806	19 25	710	96
12	✓	✓		724	727	726	726	728	728	733	743	765	794	825	836	823	799	772	752	739	729	732	732	734	734	734	732	753	0	11 48	838	0 02	723	115
13				730	732	734	736	738	738	747	754	761	767	793	806	819	806	784	756	740	738	728	702	703	721	719	703	748	1	12 20	828	24 00	688	140
14				694	709	718	728	737	747	741	740	740	748	764	762	775	773	769	746	729	710	708	710	693	696	707	706	731	1	12 17	791	0 13	682	109
15				701	706	718	714	714	716	723	730	741	752	761	772	772	776	765	740	727	722	712	716	716	719	718	710	731	1	13 27	780	0 03	695	85
16			✓	720	724	723	731	731	729	742	751	764	770	782	754	769	738	739	731	725	697	708	702	707	722	721	713	733	2	11 10	844	17 58	682	162
17				716	723	722	718	720	720	718	731	732	748	751	763	759	766	759	738	714	710	706	700	706	709	712	720	728	1	11 33	780	19 51	692	88
18				724	720	722	720	724	732	736	748	765	769	778	790	780	787	775	741	725	719	718	713	717	714	714	715	739	1	11 31	812	19 38	711	101
19				714	739	728	724	722	725	733	746	761	765	770	746	737	747	744	726	713	713	713	717	725	730	720	718	732	1	10 34	786	16 18	704	82
20	✓			715	719	718	720	726	729	740	754	755	763	779	787	786	782	760	741	718	702	704	712	713	720	714	722	737	1	11 22	797	17 14	699	98
21	✓	✓		715	718	722	722	723	725	736	751	763	770	780	786	769	752	742	732	728	728	720	720	714	712	716	720	736	1	11 20	805	21 25	710	95
22	✓	✓		728	718	715	719	724	730	740	748	756	762	775	784	779	773	760	747	733	725	717	716	719	722	723	721	739	0	12 00	793	2 15	713	80
23				721	721	724	727	728	732	746	777	797	805	823	816	805	800	795	783	747	716	706	687	683	698	708	710	748	1	10 56	832	20 16	671	161
24				712	714	730	727	726	732	738	733	744	742	780	781	770	752	730	710	704	702	704	(703	712)	714	712	722	729	1	10 43	798	[19 17	700	98]
25	✓			713	719	722	721	726	732	744	757	769	776	794	802	796	785	774	753	737	723	721	712	716	720	723	720	744	1	12 00	806	19 45	710	96
26			✓	726	731	736	739	740	743	753	766	776	796	781	762	759	670	678	682	686	680	699	(694	695)	700	699	696	724	2	9 23	809	13 44	629	180
27			✓	698	710	712	703	701	710	721	722	734	754	771	787	770	733	715	708	704	690	684	689	655	715	683	690	715	2	11 20	800	20 52	642	158
28			✓	698	702	719	711	702	708	706	715	719	752	783	810	809	766	724	714	702	675	652	694	688	693	708	706	719	2	11 18	832	18 23	644	188
29				703	726	716	711	715	715	703	714	732	757	782	817	791	758	719	714	708	693	692	710	697	704	721	719	726	1	11 50	826	18 20	687	139
30				718	708	705	708	716	714	720	739	772	794	828	844	832	794	745	711	690	703	693	701	704	699	711	720	736	1	11 22	851	16 42	683	168
31				721	711	716	718	717	705	697	678	685	716	746	765	761	750	738	724	723	716	714	710	719	721	716	728	721	1	11 51	771	7 54	667	104
MEANS ALL DAYS				715	718	721	721	722	724	730	740	753	766	782	790	781	766	748	732	720	711	708	708	708	714	714	715	734						115
MEANS TEN DAYS ✲				719	720	721	722	725	728	736	747	760	774	789	802	791	777	754	738	727	720	718	717	718	720	721	722	740						101
MEANS FIVE DAYS † (G. M. T.)				721	720	721	722	723	726	732	743	757	774	791	800	790	776	756	739	729	724	714 720	714 720	713	715	717	721	739						
MEANS FIVE DAYS ‡ (G. M. T.)				710	715	720	720	717	720	728	736	747	768	782	788	780	737	723	714	706	691	690	698	694	712	705	708	725						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 55

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1922

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				718	715	717	724	714	717	729	737	754	780	796	789	766	743	729	716	715	711	701	698	703	712	712	711	729	1	11 28	810	19 55	693	117
2	✓	✓		716	719	718	713	713	720	727	739	757	783	807	803	793	785	762	735	715	711	710	709	717	706	710	714	737	0	11 02	816	21 49	703	113
3	✓	✓		709	712	716	716	718	726	733	739	743	753	769	768	764	760	751	735	725	721	715	713	715	715	721	721	732	1	10 54	777	0 43	707	70
4	✓			726	725	728	722	722	724	733	746	767	793	815	819	806	781	738	717	706	703	708	709	717	718	718	719	740	1	11 04	831	17 02	701	130
5				721	705	702	719	726	724	726	739	768	791	808	815	814	779	741	721	709	707	712	703	711	703	709	723	736	1	12 14	833	19 34	696	137
6	✓			715	717	717	718	725	725	726	727	733	758	785	797	793	780	751	731	710	703	703	710	713	713	713	717	732	1	11 56	808	17 03	702	106
7	✓			715	713	713	718	722	719	710	708	723	749	770	793	803	793	760	736	723	723	724	722	722	721	717	715	734	1	12 08	810	7 14	701	109
8	✓			718	718	720	723	725	727	737	756	786	816	832	820	800	780	763	743	722	716	714	718	722	724	724	725	747	0	10 40	837	18 37	712	125
9				729	730	735	737	737	739	749	761	778	795	828	831	795	787	767	728	707	692	668	671	675	672	684	698	737	1	11 03	864	18 40	662	202
10				685	690	696	704	713	725	726	737	747	759	784	794	777	769	746	714	706	708	706	704	705	709	710	712	726	1	11 33	803	0 27	679	124
11			✓	714	718	729	721	724	730	707	689	699	719	745	739	713	709	708	699	679	687	690	704	681	685	697	728	709	2	10 58	788	16 41	670	118
12			✓	719	694	710	716	719	713	707	719	739	772	788	798	794	792	774	744	710	688	699	695	718	686	694	724	730	2	11 02	815	19 15	682	133
13			✓	708	708	718	718	705	705	687	687	723	737	780	818	823	792	(750)	732	714	696	698	695	694	702	711	692	725	2	11 49	839	7 27	677	162
14			✓	708	707	714	710	712	711	681	662	664	682	715	771	785	792	773	720	714	710	707	708	709	708	709	711	716	2	13 13	800	8 41	646	154
15				714	707	710	714	710	710	697	705	695	718	724	754	775	780	765	739	722	708	703	703	706	708	710	711	720	1	12 12	786	8 34	673	113
16	✓			710	713	713	714	718	721	721	720	720	734	752	775	777	777	756	736	720	716	714	707	710	711	709	712	727	1	13 12	790	19 57	703	87
17	✓	✓		713	712	712	714	718	717	717	725	731	752	768	785	795	792	777	754	738	728	721	719	719	721	725	726	737	0	12 11	803	1 48	709	94
18	✓	✓		725	725	724	724	724	731	738	742	744	763	780	797	799	798	791	773	749	733	727	725	726	725	723	721	746	0	12 28	806	23 57	718	88
19				716	714	710	714	718	722	720	708	711	729	743	765	763	763	752	734	719	715	714	711	713	707	706	704	724	1	11 06	779	23 57	702	77
20				703	724	703	701	708	710	719	726	722	728	736	744	759	756	748	739	724	712	702	697	685	707	721	721	721	1	12 36	768	20 44	677	91
21				723	717	717	736	738	737	734	745	776	801	813	801	784	753	733	715	700	692	701	700	710	710	710	725	736	1	10 26	821	17 12	689	132
22				716	706	705	715	716	724	740	758	791	795	799	798	773	772	760	748	736	723	710	706	703	714	719	712	739	1	10 20	815	20 15	695	120
23				715	716	722	719	720	707	720	733	768	807	813	787	801	794	777	708	688	689	693	696	681	709	716	700	732	1	10 07	847	20 10	679	168
24				706	714	713	704	704	706	714	723	735	755	781	813	830	807	755	730	700	695	711	708	710	711	709	720	731	1	13 28	844	17 02	686	158
25				713	710	717	720	722	726	734	744	756	788	816	825	829	811	794	749	723	710	684	696	693	707	698	705	740	1	11 18	843	18 30	674	169
26				709	714	709	711	712	717	720	732	744	766	775	775	770	772	755	745	731	711	702	708	714	711	724	703	730	1	11 42	801	18 40	697	104
27				712	712	722	721	721	721	731	737	758	771	784	792	784	775	749	736	714	710	706	711	712	715	716	716	734	1	11 30	803	0 05	701	102
28	✓	✓		718	718	715	717	720	723	731	746	755	769	785	786	796	776	759	747	729	714	713	(710	711)	710	718	711	737	1	10 02	800	[20 41	708	92
29				716	721	722	713	720	731	739	756	768	777	785	782	795	780	758	753	735	706	693	691	706	711	714	721	737	1	12 21	806	19 03	686	120
30				710	708	716	720	718	723	727	739	753	771	791	791	784	759	747	730	703	717	714	(713	713)	715	723	721	734	1	11 10	810	16 13	695	115
31				716	721	729	729	724	724	732	740	749	775	790	801	792	792	758	733	714	709	714	706	705	711	714	718	737	1	11 41	811	19 51	701	110
MEANS ALL DAYS				714	714	716	718	719	721	723	730	744	764	782	791	788	777	756	734	716	709	706	705	707	709	712	715	732						121
MEANS TEN DAYS ✻				716	717	718	718	720	723	727	735	746	767	786	794	793	782	761	741	724	717	715	714	717	716	718	718	737						101
MEANS FIVE DAYS † (G. M. T.)				716	717	717	717	719	723	729	738	746	764	782	788	789	782	768	749	731	721	710 717	709 715	712	713	714	716	737						
MEANS FIVE DAYS ‡ (G. M. T.)				713	709	719	717	716	713	700	698	719	743	768	783	783	776	756	721	701	694	697	701	700	699	706	714	723						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z̄ = NO RECORD

TABLE 56

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1922

SEPTEMBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				719	717	722	724	724	727	740	756	762	759	759	775	774	753	749	742	734	719	715	714	711	711	710	715	735	1	11 38	810	20 54	708	102
2	✓	✓		719	720	721	721	727	729	734	742	755	768	786	802	803	793	778	758	752	732	719	715	720	711	705	714	743	0	13 08	808	22 23	699	109
3	✓			717	717	714	721	728	732	738	743	739	760	771	776	778	778	764	748	728	715	716	711	717	716	716	718	736	1	12 46	784	17 05	709	75
4	✓			720	722	722	725	728	728	739	754	770	788	795	793	784	774	758	747	732	719	716	713	717	720	722	722	742	1	10 30	804	19 34	711	93
5	✓			722	724	725	727	730	734	748	768	785	811	817	813	800	784	787	772	745	726	712	718	721	721	723	724	752	1	10 30	828	18 22	711	117
6				724	727	727	730	737	737	755	767	778	779	792	810	786	781	767	750	733	712	701	704	715	720	733	706	745	1	11 39	830	19 38	699	131
7			✓	720	712	697	697	704	714	723	747	776	796	803	784	746	721	717	715	709	702	712	707	701	718	711	705	727	1	9 37	825	2 21	692	133
8			✓	712	719	717	720	726	738	733	739	737	752	771	789	792	796	769	743	688	670	699	704	721	706	701	716	732	2	10 57	824	17 27	660	164
9			✓	713	718	718	715	717	706	711	739	766	783	798	784	771	761	735	721	702	698	700	705	700	720	711	702	729	1	10 25	812	17 40	692	120
10				699	706	703	708	710	711	727	743	755	773	778	775	758	765	751	726	705	700	705	706	703	705	697	712	726	1	10 20	792	22 25	694	98
11				718	714	718	719	717	721	721	743	775	803	820	820	802	779	757	744	731	727	722	719	715	715	720	707	743	1	11 39	826	23 50	703	123
12				711	715	710	716	717	718	717	716	751	775	812	809	809	787	753	734	726	717	720	721	717	716	722	734	738	1	10 48	829	0 00	702	127
13				714	706	708	708	718	725	733	760	791	812	824	826	814	792	768	748	732	713	712	701	699	691	692	686	741	1	11 58	834	23 14	680	154
14			✓	682	687	702	704	685	673	661	654	664	703	718	713	738	684	649	627	603	579	613	617	613	638	666	680	665	2	12 28	788	17 35	569	219
15				676	675	675	684	691	695	704	718	742	755	796	786	779	755	737	717	681	678	673	692	705	707	708	702	714	2	10 28	801	18 18	664	137
16				703	702	708	710	711	717	727	742	763	785	802	812	803	782	762	741	723	718	715	711	711	711	714	715	737	1	11 47	828	1 16	696	132
17				715	716	718	719	718	717	713	722	735	756	789	799	801	775	744	721	700	690	694	707	708	704	704	711	729	1	12 33	812	18 07	681	131
18	✓			713	710	710	715	719	724	730	743	760	787	796	812	812	793	781	761	740	719	704	707	703	699	701	713	740	0	12 23	823	21 38	692	131
19	✓			715	718	715	716	719	720	729	755	793	829	838	840	819	791	765	745	732	719	716	718	720	705	701	702	747	0	11 35	852	23 06	693	159
20			✓	723	720	722	723	723	726	724	742	781	823	796	797	777	769	725	667	692	703	687	700	676	688	703	700	729	2	10 04	854	15 17	655	199
21				709	704	699	703	710	710	722	753	767	803	822	812	803	789	769	736	716	706	708	711	711	712	714	715	738	1	10 43	830	0 00	695	135
22	✓	✓		712	711	710	714	720	720	712	739	787	830	863	877	877	845	796	756	726	719	724	722	721	720	714	714	755	0	12 16	886	6 28	709	177
23	✓	✓		715	720	721	723	723	723	716	735	780	826	854	866	852	805	746	713	708	710	714	716	714	714	711	708	746	0	11 45	876	16 59	705	171
24	✓	✓		711	715	712	712	713	715	727	754	798	834	864	864	837	785	737	709	703	714	714	714	705	699	699	697	743	0	10 48	875	23 39	695	180
25				705	709	708	715	711	710	703	713	753	796	837	846	826	787	755	731	716	713	719	(716	716)	715	713	713	739	0	11 10	852	6 44	697	155
26	✓	✓		714	717	717	720	720	720	716	728	754	792	831	842	827	800	757	738	722	719	725	727	730	734	734	730	747	0	10 52	848	0 09	709	139
27				726	725	733	737	745	739	722	702	722	769	813	827	858	813	792	726	702	689	676	(680	676)	679	678	685	734	1	12 06	873	[21 25	670	203
28				707	710	712	717	718	724	717	724	751	790	808	827	823	807	772	738	719	711	711	703	704	703	705	715	738	1	11 15	843	0 00	692	151
29				710	712	713	717	720	720	710	729	765	795	822	831	829	813	784	758	739	726	724	714	694	675	699	706	742	0	11 03	837	21 33	663	174
30				706	703	716	714	713	716	713	729	761	780	790	795	786	781	783	757	725	708	713	711	716	710	709	708	735	1	11 58	810	1 43	698	112
31																																		
MEANS ALL DAYS				712	712	713	716	718	720	722	737	761	787	806	810	802	781	757	733	715	706	706	707	706	706	708	709	735						142
MEANS TEN DAYS ✲				716	717	717	719	723	724	729	746	772	802	822	828	819	795	768	745	729	719	716	716	717	714	713	714	745						135
MEANS FIVE DAYS † (G. M. T.)				714	717	716	718	721	721	721	740	775	810	840	850	839	806	765	735	722	719	716 719	716 719	715	714	712	713	747						
MEANS FIVE DAYS ‡ (G. M. T.)				710	711	711	712	711	711	710	726	745	771	777	773	765	746	719	695	679	670	682	707	711	708	708	703	719						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 57

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

OCTOBER 1922 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) OCTOBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		715	716	717	721	724	727	730	746	769	788	785	790	794	786	770	761	734	724	722	718	716	721	721	721	742	0	11 46	805	0 00	709	96
2				722	722	723	724	730	732	734	750	791	808	807	808	821	787	744	700	694	701	707	703	705	701	697	693	738	0	12 53	832	16 20	688	144
3				700	711	728	723	722	725	718	743	776	810	823	837	813	770	752	730	706	703	698	702	704	709	710	707	738	1	11 53	851	18 27	690	161
4				707	709	710	711	713	718	730	757	795	826	842	853	832	799	760	753	741	720	701	686	683	694	691	679	742	0	11 38	859	23 39	671	188
5			✓	709	690	693	723	714	704	673	680	750	775	728	668	661	670	662	660	646	666	675	669	686	681	689	690	690	2	9 19	800	12 05	594	206
6			✓	690	700	694	695	708	705	702	715	755	789	788	817	813	775	752	732	703	685	690	676	695	696	696	708	724	1	11 53	856	20 00	663	193
7			✓	700	696	696	700	697	699	694	707	771	777	790	811	803	789	741	710	697	698	690	702	694	702	697	695	723	1	11 40	843	18 33	681	162
8				697	700	699	699	703	702	694	702	740	778	814	821	824	804	777	726	676	685	688	690	716	707	704	703	727	1	12 03	834	16 25	667	167
9				706	706	707	703	714	714	703	726	765	808	831	844	815	795	765	738	703	700	695	698	699	701	712	713	736	0	11 52	855	19 58	692	163
10				713	712	712	716	718	715	704	717	751	792	829	852	831	812	773	726	703	695	704	705	711	711	700	704	738	0	11 05	860	17 13	691	169
11	✓			706	707	712	715	715	714	700	703	730	765	793	809	825	807	779	747	735	718	710	706	709	710	705	701	734	0	12 27	834	8 13	695	139
12				704	701	707	710	709	707	692	704	724	757	773	774	784	782	775	754	734	720	713	705	706	707	707	711	728	0	12 48	790	6 56	684	106
13	✓			718	721	723	722	725	724	707	702	722	765	788	810	815	807	807	756	736	728	725	721	720	717	717	715	741	0	12 37	818	7 17	693	125
14				713	714	721	727	721	713	714	725	737	768	790	815	807	808	780	753	726	711	712	707	709	710	712	713	738	0	11 07	831	6 16	704	127
15				716	719	723	725	724	723	714	733	771	803	832	844	838	818	779	(755)	736	724	725	720	721	721	718	719	750	0	11 27	849	6 30	710	139
16	✓	✓		723	712	710	712	718	722	724	758	797	821	833	835	827	805	778	751	732	727	728	724	718	718	717	717	750	0	11 50	837	2 10	708	129
17				714	721	721	718	723	718	737	756	776	790	792	800	791	791	761	751	729	711	709	716	716	715	708	710	741	0	11 13	815	23 00	704	111
18	✓	✓		711	717	718	721	724	725	734	754	776	800	805	803	782	782	762	750	733	728	726	727	725	728	729	726	745	0	10 08	824	0 25	708	116
19	✓	✓		721	719	718	720	726	729	739	767	788	806	816	813	809	795	764	756	740	726	718	718	715	712	708	705	747	0	10 48	836	23 25	703	133
20			✓	715	717	721	725	722	725	733	766	796	807	819	781	732	683	698	721	731	717	704	709	712	714	714	714	732	1	10 30	840	13 32	648	192
21	✓			709	714	716	716	718	720	717	751	785	818	824	820	810	777	751	737	729	722	718	712	714	715	715	712	742	0	10 33	839	1 20	699	140
22	✓	✓		714	716	717	719	721	721	726	754	801	841	858	865	832	800	765	742	719	718	724	723	724	723	723	723	753	0	11 15	873	16 50	713	160
23	✓			723	723	723	726	727	725	725	766	805	843	874	847	823	766	723	700	696	709	721	723	719	721	720	718	748	0	10 18	886	15 55	689	197
24				718	716	722	731	733	738	732	740	754	761	801	804	769	759	755	735	718	712	721	720	724	727	725	723	739	1	10 40	839	17 11	709	130
25				727	723	722	724	733	737	736	746	754	782	787	821	831	780	747	723	702	699	710	713	710	708	707	707	739	0	12 17	870	17 18	694	176
26				710	711	712	712	712	712	699	701	725	759	787	800	802	790	769	747	725	714	713	720	718	724	722	724	734	0	11 52	813	7 15	692	121
27				723	728	730	728	729	728	709	713	754	778	814	800	799	777	741	723	715	714	716	715	714	716	717	717	737	0	10 37	835	6 52	693	142
28	✓			717	718	720	721	722	723	725	748	783	821	853	868	856	829	801	765	724	714	718	722	718	724	726	724	756	0	10 58	879	17 44	710	169
29				722	723	733	727	723	715	686	696	716	754	782	800	807	801	777	738	716	710	716	717	717	717	717	716	734	0	11 37	820	6 48	672	148
30				718	720	722	723	724	726	722	738	766	788	803	805	796	798	783	740	723	720	688	660	700	693	690	722	736	0	10 30	814	19 28	645	169
31			✓	708	693	693	706	700	704	707	710	751	748	749	752	744	735	722	697	681	690	693	705	702	699	712	713	713	1	8 57	791	16 11	676	115
MEANS ALL DAYS				713	713	715	718	719	719	715	731	764	791	807	812	803	783	758	735	716	710	709	707	710	711	711	711	737						149
MEANS TEN DAYS ✲				716	716	717	719	722	723	723	745	776	807	823	907	817	795	770	746	728	721	721	719	718	719	718	716	746						140
MEANS FIVE DAYS (G. M. T.) †				717	716	716	719	723	725	731	756	786	811	819	821	809	794	768	752	732	725	718 724	717 722	718	718	716	715	747						
MEANS FIVE DAYS (G. M. T.) ‡				704	699	699	710	728	707	702	716	745	779	775	766	751	730	715	704	692	691	690	682	696	695	695	701	715						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 58

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1922 — NOVEMBER 1922

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	712	712	705	703	708	711	704	729	753	764	774	792	773	771	746	720	692	695	697	681	688	700	697	696	722	1	11 23	808	19 54	676	132
2			✓	701	701	701	706	707	709	722	734	748	791	768	790	775	787	771	751	727	703	695	707	698	699	701	705	729	1	9 46	810	18 06	681	129
3			✓	697	696	700	704	711	711	719	759	794	815	793	780	759	754	734	721	714	707	711	709	716	714	710	719	731	1	9 31	827	0 58	693	134
4				713	709	704	708	707	709	711	743	793	824	837	826	798	769	745	734	723	715	708	704	705	711	713	708	738	0	10 48	856	20 06	702	154
5	✓			709	709	711	714	716	720	735	762	788	812	830	823	797	775	746	733	723	715	713	713	713	712	709	710	741	0	10 37	834	0 00	708	126
6	✓	✓		712	710	710	712	716	718	722	741	772	798	811	814	797	771	754	743	728	721	721	718	715	714	713	708	739	0	11 31	821	23 35	706	115
7	✓	✓		710	712	716	718	719	717	723	755	782	798	810	802	789	773	767	749	736	727	722	723	723	721	721	722	743	0	10 33	827	0 05	705	122
8				724	724	725	730	732	731	727	744	789	810	821	835	835	808	770	750	730	725	728	727	727	728	729	728	753	0	12 06	842	2 18	722	120
9				728	730	734	735	736	734	731	749	772	804	821	835	801	795	782	781	757	724	724	724	720	708	709	711	752	0	11 30	845	21 54	702	143
10				720	717	716	721	727	719	699	710	753	799	835	854	791	752	751	731	716	697	703	706	708	710	712	712	736	1	10 45	874	6 56	690	184
11				712	712	714	716	716	714	701	710	726	749	766	770	762	750	742	732	721	713	714	718	719	719	721	721	727	0	10 49	783	7 01	688	95
12	✓			719	719	720	723	725	726	736	759	781	798	811	811	813	790	773	759	741	724	723	721	720	723	718	717	748	0	10 47	821	23 08	714	107
13	✓	✓		720	722	721	719	722	726	728	743	764	784	793	802	798	785	763	749	736	730	726	(723	720)	721	720	723	743	0	11 24	809	[20 45	718	91
14				721	719	720	721	721	724	731	739	756	778	807	823	817	811	788	773	758	745	740	737	735	731	730	731	752	1	10 34	851	1 00	717	134
15				732	734	728	734	738	744	743	747	751	765	705	705	722	740	756	758	751	732	726	(728	723)	728	730	728	735	1	10 20	807	10 37	595	212
16	✓			728	730	726	726	726	731	734	753	784	798	811	826	811	790	772	759	751	743	740	738	737	736	718	724	754	0	10 59	852	22 03	711	141
17				725	725	724	720	732	735	739	753	775	788	798	798	783	767	747	741	737	732	729	726	724	722	723	725	744	1	11 28	808	3 22	720	88
18	✓	✓		726	725	725	724	726	734	744	763	780	789	777	756	728	703	704	708	714	718	722	724	725	724	724	726	733	0	9 17	799	13 20	699	100
19				724	721	723	724	724	729	739	761	797	819	825	814	794	769	750	747	740	729	728	727	726	728	725	730	750	0	10 25	830	17 30	715	115
20				725	729	729	730	733	738	742	751	777	781	786	766	753	732	725	718	725	735	736	736	735	733	732	732	741	0	10 25	798	15 32	705	93
21				730	730	730	733	730	727	724	725	754	777	808	808	788	766	738	729	722	727	723	718	717	719	718	722	740	0	10 47	850	15 53	705	145
22				720	724	731	729	731	734	743	758	779	784	792	789	771	743	743	726	729	728	728	718	716	722	721	722	741	0	10 45	796	20 44	713	83
23				721	721	721	720	722	723	727	742	773	797	811	813	797	777	761	740	723	720	722	723	719	722	721	724	743	0	11 02	817	20 46	718	99
24	✓			724	726	726	726	728	727	720	733	769	798	819	822	812	790	767	744	731	721	725	724	723	724	723	727	747	0	11 22	829	17 45	717	112
25	✓			729	728	726	727	731	731	735	746	767	786	790	787	765	739	720	711	710	719	727	725	727	730	731	730	738	0	11 00	799	16 11	707	92
26	✓	✓		734	737	734	738	740	738	728	736	768	800	810	815	799	781	766	749	736	732	732	732	733	736	737	737	752	0	11 08	820	7 01	723	97
27				737	737	737	734	732	734	728	731	744	786	798	808	789	787	781	716	727	711	703	698	692	693	700	708	738	1	11 03	827	21 02	689	138
28			✓	708	708	702	718	721	725	719	717	727	742	766	748	720	723	724	733	733	739	729	704	693	699	719	716	722	1	10 33	787	21 11	683	104
29			✓	709	714	706	707	707	713	718	706	717	744	742	760	760	726	708	681	685	699	703	690	689	703	707	710	713	1	9 53	783	16 38	666	117
30				709	717	712	713	721	730	732	757	774	785	805	788	779	776	748	736	729	722	718	716	716	715	714	716	739	1	10 22	826	0 32	706	120
31																																		
MEANS ALL DAYS				719	720	719	721	724	725	727	742	767	789	797	799	783	767	751	737	728	722	721	718	717	718	718	720	739						121
MEANS TEN DAYS ✻				721	722	722	723	725	727	730	749	776	796	806	806	791	770	753	740	731	725	725	724	724	724	721	722	744						110
MEANS FIVE DAYS † (G. M. T.)				720	721	721	722	725	727	729	748	773	794	800	798	782	763	751	740	730	726	723 725	721 724	720	720	719	718	741						
MEANS FIVE DAYS ‡ (G. M. T.)				705	706	703	708	711	714	716	729	748	771	769	774	757	752	737	721	710	709	707	699	695	698	706	708	723						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 59

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DECEMBER 1922 DECEMBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				716	719	720	719	720	723	721	732	748	765	774	754	753	744	720	730	731	721	724	724	714	709	712	708	729	0	10	33 787	21	46 704	83
2				715	718	716	714	714	718	725	738	753	747	750	742	738	742	746	742	733	722	720	717	716	714	714	713	728	1	10	02 764	0	27 710	54
3	✓	✓		714	715	716	716	718	723	725	740	762	778	777	763	743	722	714	715	715	715	715	717	716	716	716	719	728	0	10	54 784	14	12 710	74
4	✓			719	721	718	718	722	729	735	754	785	808	807	784	742	706	699	698	704	718	725	725	725	724	728	739	735	0	9	43 815	15	46 694	121
5			✓	753	753	735	743	743	739	749	766	802	836	839	835	798	738	714	702	699	709	695	708	713	702	699	711	745	0	9	48 859	19	00 685	174
6				716	711	726	722	727	725	728	744	778	785	812	767	758	739	735	728	727	724	719	711	723	721	721	723	736	1	10	33 821	1	10 707	114
7	✓			722	722	722	721	723	725	725	748	778	799	799	788	763	731	710	696	707	718	721	719	721	723	723	723	734	0	10	09 807	15	32 694	113
8	✓	✓		723	721	722	725	725	729	731	749	777	821	838	829	806	763	737	719	709	713	719	718	721	724	723	726	744	0	9	59 843	16	12 707	136
9				720	718	717	718	720	723	731	757	791	819	836	826	803	770	723	697	704	736	736	734	736	735	739	745	747	1	10	37 846	15	52 689	157
10			✓	709	702	710	723	727	736	750	752	780	814	807	816	804	762	753	729	725	725	721	721	717	716	717	719	743	1	12	35 844	0	54 696	148
11				731	728	729	729	729	734	725	720	736	766	785	795	794	783	762	748	733	703	690	707	711	714	717	719	737	1	11	46 802	18	29 684	118
12				718	719	717	718	719	717	700	701	729	769	803	797	782	762	739	718	698	700	712	716	717	718	716	715	729	0	11	05 812	16	31 693	119
13				713	718	718	716	718	720	715	721	739	762	779	785	791	779	766	747	733	724	718	720	726	729	733	740	738	0	12	09 795	7	00 709	86
14			✓	736	736	732	731	720	717	712	710	729	755	783	793	796	780	718	698	714	715	720	726	718	716	715	704	732	1	12	50 810	14	53 673	137
15			✓	707	708	718	719	715	717	712	725	745	747	767	762	758	729	720	717	714	708	708	714	713	713	717	719	724	1	10	30 786	0	13 702	84
16	✓	✓		717	717	715	715	717	718	718	727	750	771	780	787	777	758	737	721	714	716	718	720	719	722	724	722	732	0	11	37 793	16	35 711	82
17	✓			722	725	723	725	724	725	731	750	779	795	796	789	770	746	713	694	700	711	723	721	726	733	731	732	737	0	9	24 802	15	50 690	112
18				732	731	733	737	737	741	743	760	782	801	817	820	800	784	764	747	734	724	722	(722	724)	724	725	727	751	0	11	11 826	[20	35 721	105]
19	✓			731	732	730	731	729	732	731	753	784	806	828	827	812	777	747	727	714	716	721	725	726	724	723	722	748	0	10	38 831	16	30 709	122
20				726	733	730	731	732	730	731	747	773	794	804	803	788	772	750	738	726	719	719	(721	722)	723	723	724	744	0	10	51 809	[18	15 717	92]
21				723	724	724	724	724	727	728	741	768	789	810	811	804	789	759	738	722	723	725	731	734	734	736	736	747	0	10	56 817	16	33 719	98
22	✓	✓		733	733	730	731	729	727	714	725	757	794	818	816	807	775	736	721	718	720	723	725	724	725	727	728	743	0	10	48 828	6	41 710	118
23	✓	✓		726	726	727	730	732	733	713	705	716	739	768	779	781	775	770	757	747	743	735	740	739	736	734	734	741	0	12	02 783	7	29 697	86
24				734	735	735	735	734	733	729	728	742	777	802	810	807	793	779	753	745	751	735	736	734	728	732	735	751	0	11	18 815	7	21 723	92
25				737	740	741	730	738	725	705	688	727	786	787	823	790	784	761	759	747	740	730	726	728	734	735	723	745	1	11	14 856	7	29 680	176
26			✓	735	729	727	729	723	719	698	704	718	754	734	743	728	729	732	740	727	718	714	714	709	709	713	709	723	1	9	26 783	7	20 686	97
27				708	711	713	714	719	723	727	727	746	764	764	765	745	743	741	753	752	734	722	(717)	720	721	717	718	732	1	10	58 777	0	20 708	69
28	✓			714	714	716	720	725	729	733	737	747	764	781	787	769	763	758	752	742	731	719	716	712	716	719	719	737	0	11	28 795	20	25 710	85
29				723	724	723	725	727	725	720	727	740	773	787	781	761	768	756	740	720	712	709	712	711	706	702	703	732	0	10	15 795	22	48 700	95
30				696	698	701	708	710	716	714	707	715	716	715	719	721	735	758	757	742	723	712	712	713	717	715	716	718	1	14	42 766	0	35 692	74
31				716	716	717	724	723	723	725	732	752	778	785	776	760	731	705	712	722	725	720	718	717	716	717	719	730	0	10	07 788	14	22 703	85
MEANS ALL DAYS				722	722	723	724	725	726	724	733	756	780	791	789	776	757	739	729	723	721	719	720	721	721	721	722	737						107
MEANS TEN DAYS ✲				722	723	722	723	724	727	726	739	764	788	799	795	777	752	732	720	717	720	722	723	723	724	725	726	738						105
MEANS FIVE DAYS † (G. M. T.)				723	722	722	723	724	726	720	729	752	781	796	795	783	759	739	727	721	721	719 722	721 724	722	722	723	724	737						
MEANS FIVE DAYS ‡ (G. M. T.)				728	726	724	729	726	726	724	731	755	781	786	790	777	748	727	717	716	715	712	726	727	728	730	730	737						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 60

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1922 MARCH 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				⊼																			⊼	280	280	277	277							
2				276	278	280	280	281	281	281	283	284	284	287	284	285	284	281	280	279	279	278	277	279	280	280	281	281	1	13 52	288	0 27	275	13
3				280	280	281	281	283	281	282	283	288	289	291	294	295	294	284	279	282	279	279	279	279	279	279	279	283	1	12 30	300	18 00	278	22
4				280	279	280	281	283	283	279	280	281	280	290	294	292	296	291	285	281	280	279	279	280	280	281	281	283	1	11 05	298	7 00	278	20
5			✓	280	281	280	281	284	283	282	280	285	291	296	299	295	291	285	285	281	279	279	281	281	281	282	282	284	1	11 50	303	17 50	278	25
6	✓			283	280	281	281	284	284	286	291	295	297	297	295	291	289	282	275	274	274	277	280	280	280	281	280	284	1	9 48	298	17 06	273	25
7	✓	✓		280	281	281	282	284	282	282	282	285	286	291	295	296	296	295	289	279	279	280	281	282	280	280	280	284	0	12 56	297	17 40	278	19
8	✓	✓		281	282	283	283	285	285	284	283	285	290	293	294	294	296	296	287	281	280	280	281	281	282	282	282	285	0	14 15	299	17 12	279	20
9	✓	✓		283	283	284	285	285	285	284	276	(287)	294	298	293	290	292	293	287	283	283	284	284	285	286	286	285	286	1	10 17	304	16 33	280	24
10			✓	288	282	283	285	289	289	289	289	288	285	289	291	300	295	291	289	288	287	287	286	287	287	287	286	288	1	12 30	301	2 25	280	21
11				285	287	289	289	290	289	288	287	290	289	285	283	287	288	287	283	280	281	281	283	283	283	284	284	286	1	8 30	291	16 54	279	12
12				284	284	284	285	286	287	286	286	288	291	298	297	289	286	282	278	282	281	280	278	277	279	280	278	284	2	10 30	307	23 58	274	33
13			✓	277	277	285	284	285	285	285	287	291	289	295	298	304	306	298	289	286	281	278	(274	285)	285	285	285	287	2	12 06	307	0 01	275	32
14			✓	286	287	287	289	289	289	287	286	287	289	288	289	286	285	284	276	277	283	285	285	285	285	285	286	286	2	11 15	295	15 55	275	20
15	✓			286	286	286	286	287	287	286	285	285	286	289	296	299	301	296	291	286	286	286	(285	286)	285	285	286	288	1	13 30	303	7 00	284	19
16	✓			285	285	286	286	288	288	285	282	286	288	293	296	297	296	288	286	286	286	286	285	286	286	285	285	288	1	12 03	299	7 25	281	18
17				285	285	286	286	288	289	289	289	290	291	295	299	300	297	286	281	279	283	284	282	284	280	281	282	287	1	12 10	303	16 17	278	25
18				286	286	286	287	287	287	290	292	292	296	298	303	303	297	291	286	285	285	285	289	289	290	290	290	290	1	12 03	306	16 25	284	22
19				290	290	291	291	292	292	291	290	288	291	296	296	298	296	288	285	284	285	290	291	291	291	290	289	291	1	12 50	299	15 45	280	19
20				290	291	292	296	292	292	291	289	290	293	297	303	303	303	297	292	293	293	291	288	288	288	288	287	293	1	12 52	304	23 30	286	18
21	✓			288	287	290	289	290	290	290	289	288	285	287	290	286	282	273	272	273	278	280	(284	287)	282	283	283	284	1	11 35	291	14 48	271	20
22				283	284	284	285	288	287	284	282	281	282	288	290	295	295	290	288	284	284	284	(283	284)	286	287	287	286	1	13 10	297	9 03	279	18
23	✓	✓		288	288	288	289	289	289	289	289	286	286	287	289	286	278	276	277	278	282	284	287	287	287	287	287	286	0	11 40	290	14 20	274	16
24	✓	✓		288	288	289	289	290	290	289	288	290	290	293	298	305	306	304	300	293	290	288	290	289	289	288	286	292	0	12 52	308	23 45	284	24
25	✓			285	285	285	290	290	290	285	283	283	285	290	296	301	295	286	280	284	289	289	290	289	289	287	288	288	1	12 35	302	15 25	278	24
26				289	290	289	290	290	290	288	288	290	290	290	296	299	296	288	283	283	285	288	289	289	290	289	289	290	1	12 38	301	15 38	282	19
27				289	289	290	290	290	290	290	290	⊼																						
28																																		
29																																		
30			✓																															
31																											⊼							
MEANS ALL DAYS a)				284	284	285	286	287	287	286	286	287	289	292	294	295	294	288	284	282	283	283	284	285	284	284	284	287						a) 21
MEANS TEN DAYS ✲				285	284	285	286	287	287	286	285	287	289	292	294	294	293	289	284	282	283	283	285	285	285	284	284	287						21
MEANS FIVE DAYS (G. M. T.) †				284	284	285	286	287	286	286	284	287	289	292	294	294	294	293	288	283	283	281 283	282 285	283	283	283	283	286						
MEANS FOUR DAYS b) (G. M. T.) ‡				283	282	284	285	287	286	286	286	288	288	292	294	296	294	290	285	283	282	282	279	282	282	283	282	286						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-five days only, omitting incomplete days March 1 and 27 to 31 b) Omitting incomplete Greenwich day March 30

TABLE 61

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1922 — APRIL 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				⊼																														
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9			✓																			⊼	294	295	297	295	295							
10				297	301	300	300	300	300	300	299	296	295	295	299	304	303	296	294	293	294	294	294	295	297	296	295	297	1	13 12	306	16 06	292	14
11	✓			295	297	297	297	300	300	300	300	299	299	300	301	304	299	294	290	293	294	294	294	295	296	299	299	297	1	12 17	306	15 33	287	19
12			✓	300	300	300	299	300	301	302	305	305	305	305	300	295	288	282	282	283	289	293	295	295	295	295	295	296	1	8 02	307	14 46	281	26
13				295	296	297	297	298	298	295	295	299	305	306	305	300	293	289	289	291	295	294	294	294	295	297	295	296	1	10 02	307	14 55	288	19
14				297	298	298	299	300	301	301	300	301	305	305	301	301	296	294	293	294	294	295	295	296	296	296	297	298	1	9 30	307	15 04	291	16
15				296	297	298	299	301	300	300	300	301	302	306	307	308	308	304	301	301	300	299	300	300	300	300	300	301	1	13 25	309	17 53	298	11
16	✓	✓		300	300	300	300	301	301	301	300	296	296	303	308	313	314	311	307	301	300	300	300	299	299	299	299	302	1	13 06	315	9 33	295	20
17	✓	✓		298	299	300	300	301	301	303	301	296	296	301	305	307	306	301	295	293	296	299	298	298	298	298	298	300	1	12 55	308	16 25	292	16
18	✓	✓		299	299	301	302	302	302	303	304	304	305	307	309	309	304	302	297	296	296	297	296	296	296	297	297	301	0	12 05	310	16 32	294	16
19	✓	✓		298	298	299	299	300	300	300	301	302	302	302	301	297	293	290	289	290	295	297	296	297	297	299	298	298	0	9 05	303	15 44	288	15
20	✓	✓		297	298	299	300	300	300	302	301	297	298	298	298	300	302	302	301	299	297	297	297	297	297	299	299	299	1	13 59	304	17 35	296	8
21				298	299	301	302	302	302	302	296	296	299	302	303	301	303	307	308	303	301	297	297	302	304	303	301	301	1	14 38	309	7 58	292	17
22			✓	299	300	300	300	304	304	307	308	304	304	307	307	303	304	305	302	300	299	299	298	300	301	301	299	302	1	6 35	309	0 48	296	13
23				300	302	302	303	303	304	304	303	304	305	308	308	312	315	314	312	307	303	302	302	302	300	302	300	305	1	13 53	316	21 45	298	18
24			✓	302	303	303	303	304	304	304	305	306	307	307	303	304	302	308	308	305	303	303	(302	301)	299	299	298	303	2	14 45	311	23 33	297	14
25				298	300	300	303	303	303	303	300	297	295	292	290	288	289	291	298	303	300	298	297	299	297	300	302	298	1	16 25	304	12 38	286	18
26			✓	299	298	300	301	303	303	303	303	301	300	299	298	297	296	297	299	300	297	296	(296	296)	300	300	300	299	1	6 00	304	12 47	293	11
27				300	302	303	303	302	301	301	297	296	297	298	300	303	304	309	307	303	301	301	300	300	300	300	301	301	1	14 25	310	8 39	296	14
28	✓			302	303	303	303	303	303	304	303	297	294	295	295	297	300	298	298	298	299	297	297	298	301	299	299	299	1	6 40	306	9 24	291	15
29				303	301	302	303	303	303	303	303	303	307	309	309	311	310	306	300	299	299	299	299	299	299	300	300	303	1	12 54	312	19 32	298	14
30	✓			301	301	303	303	303	304	305	306	308	309	309	310	307	304	301	295	290	292	297	298	299	301	300	300	302	1	11 10	311	16 20	289	22
31																																		
MEANS ALL DAYS a)				299	300	300	301	302	302	302	301	300	301	303	303	303	302	300	298	297	297	298	297	298	298	299	299	300						a) 16
MEANS EIGHT DAYS b) ✲				299	299	300	300	301	301	302	302	300	300	302	303	304	303	300	296	295	296	297	297	297	298	299	299	300						b) 16
MEANS FIVE DAYS c) † (G. M. T.)				298	299	300	300	301	301	302	301	299	299	302	304	305	304	301	298	296	297	298 298 298	298 297	298	298	299	298	300						
MEANS FOUR DAYS d) ‡ (G. M. T.)				300	300	301	301	303	303	304	305	304	304	304	302	300	298	298	298	297	297	298	298	300	299	301	300	301						

DESIGNATIONS AND REMARKS

✲ = EIGHT LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL DISTURBED DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-one days only, omitting incomplete days April 1 to 9 April 4, 5, 6 and 7 b) Eight days only c) April 16, 17, 18 and 20 substituted for d) Omitting incomplete Greenwich day April 9

TABLE 62

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1922 — MAY 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			301	302	302	304	304	304	305	307	306	309	311	315	316	317	316	312	307	302	303	302	303	303	304	304	307	0	14 15	318	17 31	299	19
2	✓	✓		304	304	304	305	305	305	309	311	310	309	305	304	303	299	297	297	297	297	299	299	300	302	303	304	303	0	7 15	312	16 37	296	16
3	✓	✓		304	304	304	304	305	305	306	307	304	304	305	310	309	305	303	301	298	298	299	300	301	302	302	302	303	0	11 38	311	16 41	297	14
4	✓			304	304	304	305	305	305	308	308	305	304	307	310	310	309	303	295	293	295	298	299	300	302	303	304	303	1	11 40	312	16 14	292	20
5				305	305	306	306	306	306	306	305	305	307	311	315	315	316	314	307	304	301	302	304	306	307	306	305	307	1	13 39	318	17 51	300	18
6				305	306	306	306	307	308	311	311	311	310	308	307	300	299	299	297	297	299	302	305	305	304	304	304	305	1	8 14	313	15 40	294	19
7			✓	305	306	306	308	307	308	310	312	313	312	312	314	319	316	312	307	302	302	304	305	309	310	306	311	309	2	12 50	320	16 45	300	20
8			✓	310	310	311	310	310	311	311	310	304	300	302	305	306	306	306	304	300	301	304	305	305	306	306	306	306	2	6 49	313	9 48	297	16
9			✓	307	307	308	308	309	308	309	307	301	298	300	306	301	302	305	301	297	300	301	301	306	306	306	306	304	1	6 25	310	16 50	295	15
10				306	307	307	309	306	308	311	309	307	306	301	299	303	306	308	310	305	301	302	307	306	307	306	306	306	1	15 25	312	11 37	296	16
11				307	307	307	307	307	309	312	312	311	309	306	306	305	306	307	306	303	305	305	304	306	306	306	306	307	1	7 06	314	16 40	302	12
12	✓			307	307	307	307	307	309	312	311	307	306	306	305	307	309	306	302	301	302	304	306	306	306	306	306	306	1	6 29	313	16 30	300	13
13				308	309	308	308	308	310	313	313	307	302	298	298	295	294	290	290	292	300	303	306	306	305	306	307	303	1	7 09	315	15 55	289	26
14	✓			307	308	308	308	308	308	308	308	307	308	313	315	320	319	313	307	304	306	307	307	308	308	308	308	309	1	12 52	321	15 54	303	18
15	✓	✓		308	308	308	309	310	310	313	313	312	313	315	315	313	307	301	297	298	302	305	306	306	306	306	306	308	0	11 06	318	15 56	295	23
16			✓	307	307	307	309	309	310	313	314	314	312	307	301	303	303	297	295	294	297	301	304	304	305	306	306	305	2	8 15	317	14 17	294	23
17				307	307	307	308	309	310	311	313	311	310	310	314	317	314	314	309	303	303	304	305	306	307	306	306	309	1	12 05	319	16 56	302	17
18				308	308	308	309	310	310	310	311	312	312	312	310	312	313	310	304	300	302	305	307	308	308	308	308	309	1	13 56	315	16 08	299	16
19				307	309	310	310	310	310	311	312	311	310	310	309	309	312	308	303	302	303	305	305	307	308	308	308	308	1	13 42	313	16 29	300	13
20				308	308	309	309	310	310	312	312	310	307	307	310	318	321	320	310	307	307	307	308	308	308	309	310	310	1	13 30	323	17 30	304	19
21			✓	310	311	310	311	312	314	315	310	302	297	294	296	297	300	303	300	302	303	306	306	308	308	309	309	306	1	6 20	316	10 50	293	23
22				309	309	310	311	309	311	314	315	309	306	306	311	316	316	314	306	300	303	308	309	309	309	309	309	310	1	12 18	317	16 35	299	18
23				309	309	308	309	311	312	314	313	310	307	305	306	306	304	304	303	303	304	304	306	308	309	309	309	308	1	6 32	315	16 29	301	14
24				309	309	309	309	310	311	315	314	311	309	310	311	314	311	312	311	307	306	307	308	309	309	309	309	310	1	12 15	316	17 00	304	12
25				310	311	311	311	311	313	315	315	315	315	315	316	317	315	316	311	308	308	309	309	309	309	310	310	312	1	12 08	319	17 01	306	13
26				312	312	314	314	314	313	313	314	317	315	312	316	321	326	323	317	312	309	307	310	311	311	311	311	314	1	13 22	328	18 05	305	23
27				310	312	312	312	313	314	317	316	310	307	310	310	312	312	317	312	309	309	309	310	312	312	312	310	312	1	14 24	318	17 16	307	11
28				311	312	312	312	312	313	313	314	317	315	314	317	317	315	315	315	310	309	310	310	312	312	312	312	313	1	11 37	318	17 07	307	11
29	✓			314	314	314	314	314	314	317	322	323	324	325	323	317	315	317	317	310	310	311	(311	313)	314	315	314	316	0	10 29	327	16 55	309	18
30	✓	✓		315	315	315	315	316	316	319	317	313	311	312	315	320	323	323	322	317	310	312	313	313	314	315	315	316	0	14 49	324	17 22	309	15
31	✓	✓		315	315	316	316	317	317	320	321	317	312	314	318	318	320	320	317	309	309	310	(312	312)	312	312	313	315	0	7 15	322	17 02	306	16
MEANS ALL DAYS				308	308	309	309	309	310	312	312	310	309	308	310	311	311	309	306	303	303	305	306	307	308	308	308	308						17
MEANS TEN DAYS ✲				308	308	308	309	309	309	312	312	310	310	311	313	313	312	310	307	303	303	305	306	306	307	307	308	309						17
MEANS FIVE DAYS † (G. M. T.)				309	309	309	310	311	311	313	314	311	310	310	312	313	311	309	307	304	303	306 305	306 306	307	308	309	309	309						
MEANS FIVE DAYS ‡ (G. M. T.)				308	308	308	309	309	310	312	311	307	304	303	304	305	305	305	301	299	301	303	306	307	307	306	307	306						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 63

VERTICAL INTENSITY

JUNE 1922

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1922

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				313	313	313	313	314	314	318	315	308	309	309	308	308	310	313	311	307	307	309	313	313	313	313	314	312	1	6 49	319	17 22	305	14
2				313	313	313	313	314	314	314	314	311	310	315	317	317	314	313	308	308	307	311	314	313	315	314	314	313	1	12 59	319	17 24	305	14
3			✓	315	315	316	316	317	318	320	318	310	301	303	307	309	313	315	312	308	309	313	314	315	315	315	315	313	1	6 33	321	9 38	299	22
4				316	317	318	318	318	318	319	316	309	307	304	303	301	300	300	303	306	309	314	315	316	315	317	317	312	1	6 23	320	12 58	298	22
5			✓	315	316	318	317	316	316	318	320	318	314	311	315	320	314	309	308	308	309	314	316	314	316	316	316	315	1	12 33	321	16 33	305	16
6				318	315	315	316	316	317	318	317	312	309	306	308	309	311	311	310	308	313	314	314	314	315	316	316	313	1	6 20	320	10 41	304	16
7				316	316	317	317	317	317	320	323	326	326	326	325	320	320	320	317	311	311	313	315	315	316	316	317	318	1	11 00	327	16 49	310	17
8	✓			318	318	318	318	319	319	320	318	315	312	316	320	317	315	316	316	315	313	315	316	316	318	319	318	317	1	6 47	322	9 38	311	11
9	✓			319	318	319	319	319	320	321	324	324	324	327	327	322	319	316	315	314	315	316	316	316	317	318	318	319	0	10 55	328	15 55	312	16
10	✓	✓		319	320	320	320	320	320	322	321	316	313	315	318	321	320	316	312	311	314	315	316	317	317	318	318	317	0	6 40	323	16 25	310	13
11	✓	✓		318	318	318	319	320	320	321	323	321	319	320	323	324	324	321	320	315	313	316	317	317	318	318	318	319	0	13 20	326	17 25	310	16
12				318	317	320	320	321	321	322	323	321	316	313	317	326	321	317	311	310	315	317	320	320	320	320	320	319	1	12 31	328	16 02	309	19
13				319	320	322	321	321	320	321	322	322	321	321	317	312	311	316	316	312	314	316	321	320	320	321	321	319	1	7 35	323	13 30	310	13
14	✓			321	321	321	321	320	320	322	323	321	320	316	321	325	318	313	310	310	314	316	317	319	319	320	320	319	1	12 15	327	15 54	309	18
15	✓	✓		320	320	321	321	321	321	320	318	317	314	309	311	315	316	317	315	312	314	316	318	320	321	321	320	317	0	5 14	322	10 42	306	16
16			✓	321	321	322	322	323	322	323	320	317	314	314	320	320	321	318	314	312	317	318	317	318	318	320	321	319	1	12 37	324	12 53	310	14
17				322	323	323	323	323	323	324	323	318	318	317	317	319	323	323	322	318	318	319	320	321	323	323	322	321	1	7 00	325	11 02	315	10
18				323	323	323	323	323	323	328	325	319	317	317	317	312	311	307	303	306	313	317	318	318	320	320	321	318	1	6 47	331	15 50	301	30
19				320	323	321	322	323	322	323	326	323	318	318	318	322	319	319	318	316	317	317	318	318	319	320	320	320	1	7 17	327	16 06	313	14
20				321	321	321	323	324	324	324	324	323	321	321	317	320	325	324	322	318	315	318	318	319	320	322	321	321	1	14 04	327	17 05	314	13
21				321	322	323	322	323	324	329	325	320	315	316	316	318	319	320	320	318	318	319	320	321	321	321	322	321	1	6 36	330	9 54	313	17
22	✓			322	322	322	323	324	324	326	323	318	317	315	318	318	319	320	319	315	316	318	319	321	321	322	323	320	1	6 35	327	16 55	313	14
23				323	323	323	323	323	324	326	325	320	318	313	318	323	322	320	323	323	322	322	322	322	323	323	323	322	1	7 04	327	10 42	312	15
24	✓	✓		324	324	324	324	325	325	327	326	321	321	319	317	320	321	318	315	316	318	320	323	323	324	324	324	322	0	6 48	330	15 38	314	16
25	✓	✓		324	324	324	324	325	325	325	327	325	325	325	323	325	322	317	314	312	316	319	320	322	324	324	325	322	1	7 20	328	16 14	311	17
26	✓			325	325	325	325	326	325	327	330	329	325	322	325	330	328	325	320	318	319	321	(321	321)	321	321	322	324	0	12 32	331	16 47	316	15
27				322	323	320	322	323	324	325	325	323	322	322	324	325	328	326	321	318	320	320	321	322	322	322	321	323	1	13 42	331	16 12	317	14
28				320	323	323	325	325	325	326	329	326	326	326	323	320	320	320	319	319	318	320	(320	321)	321	324	325	323	1	7 34	330	17 10	315	15
29			✓	324	324	325	325	326	324	323	327	329	331	332	332	333	331	326	323	321	324	324	321	323	322	322	323	326	1	10 46	337	16 15	320	17
30			✓	323	324	325	325	327	327	327	327	322	312	305	303	311	316	310	306	307	312	320	322	326	326	326	326	319	1	7 48	330	11 00	300	30
31																																		
MEANS ALL DAYS				320	320	320	321	321	321	323	323	319	317	316	317	319	318	317	315	313	315	317	318	319	319	320	320	319						16
MEANS TEN DAYS *				321	321	321	321	322	322	323	323	321	319	318	320	322	320	318	316	314	315	317	318	319	320	320	321	320						15
MEANS FIVE DAYS † (G. M. T.)				321	321	321	322	322	322	323	323	320	318	318	318	321	321	318	315	313	315	318 317	319 319	319	320	321	321	320						
MEANS FIVE DAYS ‡ (G. M. T.)				320	320	321	321	322	321	322	322	319	314	313	315	319	319	316	313	311	314	318	318	319	319	320	320	318						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 64

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1922 — JULY 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	326	326	326	326	326	328	330	330	326	326	326	334	326	322	322	317	316	321	321	324	325	326	326	327	325	1	11 33	336	16 08	312	24
2				327	327	328	328	328	328	331	329	326	323	321	325	325	323	325	321	321	322	322	325	327	327	327	327	326	1	6 48	333	15 48	319	14
3				330	331	328	328	329	331	332	332	331	327	323	327	329	327	323	321	321	323	327	(327	327	327)	327	327	327	1	7 35	333	15 35	320	13
4				325	325	326	326	326	326	327	327	323	322	320	322	324	325	323	319	319	320	321	322	323	323	323	324	323	1	6 50	328	15 49	318	10
5				325	325	325	325	325	326	327	322	318	318	322	321	321	321	321	321	321	321	321	322	323	323	323	324	323	1	6 22	328	8 33	317	11
6				324	324	324	324	325	327	328	330	326	325	324	322	322	322	321	321	322	321	322	323	323	324	324	324	324	1	7 05	331	11 50	320	11
7	✓			326	326	327	327	327	328	328	327	322	316	313	314	315	315	314	315	315	319	323	323	323	324	324	324	321	1	6 33	329	10 58	313	16
8	✓	✓		324	325	325	326	326	328	328	328	328	325	326	326	329	328	326	327	327	326	325	325	326	326	326	326	326	0	12 48	331	9 29	324	7
9	✓			327	327	327	328	328	328	329	330	326	323	324	328	329	324	321	323	325	325	325	325	325	326	326	326	326	1	7 04	331	14 05	320	11
10	✓			327	327	327	328	328	328	328	328	327	325	324	324	325	324	323	323	323	323	323	324	324	325	326	326	325	1	7 15	329	16 15	322	7
11	✓	✓		327	327	327	327	328	328	329	329	331	335	335	334	333	329	327	324	321	321	324	325	325	325	326	326	328	1	9 43	336	16 42	320	16
12	✓	✓		326	327	327	328	328	328	329	329	329	329	329	329	329	325	324	324	323	324	324	325	325	325	325	326	327	0	9 30	330	16 58	322	8
13				326	327	327	328	328	328	328	329	331	336	341	338	332	328	325	323	325	325	326	325	327	329	328	326	329	1	10 44	342	15 17	322	20
14				325	327	328	328	329	330	330	330	329	329	329	330	335	334	330	329	327	327	327	326	327	328	327	326	329	1	12 12	336	0 10	324	12
15				330	330	330	330	330	330	331	331	330	329	328	329	329	329	328	327	328	328	328	328	329	329	329	329	329	1	7 58	332	15 15	326	6
16			✓	330	330	330	330	330	330	331	331	331	331	332	327	331	329	325	322	321	322	326	327	328	328	328	329	328	2	10 37	335	17 05	321	14
17				329	329	329	329	329	330	330	330	329	326	325	324	327	331	330	326	326	327	328	327	328	329	329	330	328	1	13 32	331	11 32	323	8
18				329	329	330	329	330	330	331	334	330	328	329	330	331	330	326	322	321	322	325	327	328	328	328	328	328	1	7 35	335	16 34	321	14
19				329	331	329	330	331	331	332	332	331	334	336	336	337	337	337	333	331	331	330	331	331	331	330	330	332	1	13 07	338	3 00	329	9
20	✓			331	331	331	331	331	331	332	332	328	326	327	326	327	326	326	323	323	326	328	331	331	331	331	331	329	1	6 53	333	15 37	322	11
21	✓	✓		330	331	331	331	331	332	332	332	330	327	325	326	329	331	336	334	331	329	329	329	330	330	331	331	330	1	14 44	337	11 04	324	13
22	✓	✓		331	331	331	331	331	331	332	331	329	331	333	331	329	331	331	329	327	327	327	327	328	329	329	330	330	0	10 41	334	16 42	326	8
23				329	329	330	330	330	330	331	331	325	322	323	327	331	330	327	326	323	323	325	327	329	329	330	329	328	1	6 58	333	16 45	322	11
24				329	330	330	330	331	331	331	331	329	329	336	341	345	341	337	336	332	330	330	(330	332)	328	328	328	332	1	12 30	346	9 08	327	19
25	✓			328	328	328	328	329	329	331	328	328	328	332	336	337	335	326	323	322	323	323	327	328	328	328	328	328	1	12 45	338	17 08	322	16
26			✓	328	328	328	329	329	329	331	333	336	337	334	331	329	325	331	330	329	329	328	(328	329)	328	327	328	330	2	9 27	338	13 37	323	15
27			✓	329	329	328	328	329	330	333	333	329	326	325	325	319	319	319	316	315	318	323	324	323	326	324	325	325	2	7 05	337	16 04	314	23
28			✓	327	327	328	327	328	328	328	329	328	333	337	343	337	328	324	325	325	323	323	328	327	328	328	328	329	2	11 19	347	18 15	320	27
29				327	328	327	328	328	329	330	332	329	328	328	329	326	324	318	316	316	319	323	324	325	327	327	326	326	1	7 02	333	15 30	315	18
30				326	325	326	327	328	328	328	328	329	333	328	321	319	320	314	312	316	323	324	327	327	327	328	328	325	1	9 27	334	15 35	310	24
31				328	327	328	329	327	328	330	334	337	336	335	338	338	333	325	327	329	327	326	326	327	327	328	328	330	1	12 30	339	14 35	324	15
MEANS ALL DAYS				328	328	328	328	328	329	330	330	328	328	328	329	329	327	325	324	323	324	325	326	327	327	327	327	327						14
MEANS TEN DAYS ✲				328	328	328	328	329	329	330	329	328	326	327	327	328	327	325	324	324	324	325	326	326	327	327	327	327						11
MEANS FIVE DAYS † (G. M. T.)				328	328	328	329	329	329	330	330	329	329	330	329	330	329	329	328	326	325	325 326 326	326 326	327	327	328	328	328						
MEANS FIVE DAYS ‡ (G. M. T.)				328	328	328	328	328	329	331	331	330	331	331	332	328	325	324	322	321	323	324	326	327	327	327	327	327						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 65

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1922

AUGUST 1922

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				327	328	328	328	328	328	331	330	326	325	320	320	321	323	320	317	319	321	324	325	327	327	327	328	325	1	6	44	334	15	44	316	18
2	✓	✓		327	327	326	327	328	329	330	330	330	332	329	326	328	326	320	318	316	320	324	325	325	325	326	326	326	0	9	36	333	16	04	315	18
3	✓	✓		326	327	327	328	329	330	333	334	330	325	327	325	327	327	328	326	324	325	325	327	327	328	328	328	328	1	7	36	335	16	22	324	11
4	✓			328	328	327	327	329	330	330	329	329	331	334	333	332	330	329	326	324	326	329	329	330	330	330	330	329	1	11	05	334	16	17	324	10
5				329	327	330	332	331	333	336	340	339	339	339	335	334	326	324	325	326	328	329	329	330	330	330	330	331	1	7	29	342	14	30	322	20
6	✓			330	330	330	330	331	331	332	330	328	329	333	333	329	323	321	322	321	323	326	329	329	330	330	330	328	1	10	37	334	16	26	320	14
7	✓			330	330	330	330	331	331	332	333	334	331	329	329	328	319	316	316	320	326	329	329	329	329	329	329	328	1	8	16	334	13	52	315	19
8	✓			330	330	330	330	330	331	332	331	330	329	330	330	329	326	325	324	325	325	326	329	329	329	329	329	329	0	6	29	333	15	28	323	10
9				329	329	330	330	331	332	334	331	327	326	330	330	330	330	326	321	323	325	326	329	328	328	329	327	328	1	6	45	334	15	40	320	14
10				326	328	329	330	330	331	335	338	335	334	334	335	333	326	320	320	320	321	325	326	327	327	327	327	328	1	7	07	339	14	37	318	21
11			✓	327	328	330	330	330	330	332	338	340	336	332	331	335	334	329	329	328	329	328	326	327	329	330	330	331	2	8	22	341	19	50	326	15
12			✓	328	328	331	330	330	330	334	334	334	333	332	334	337	329	323	317	316	320	325	327	329	328	329	331	329	2	12	28	339	16	16	316	23
13			✓	329	329	330	330	329	330	331	335	335	330	327	325	325	321	(320)	321	325	326	325	327	328	329	327	326	328	2	8	06	337	13	55	320	17
14			✓	329	328	329	329	329	329	330	338	348	353	355	351	347	344	337	326	324	324	325	328	329	329	329	329	334	2	10	22	356	15	47	322	34
15				328	329	329	329	329	330	330	334	332	334	334	335	334	330	329	328	326	326	327	329	329	329	330	330	330	1	12	03	337	16	20	325	12
16	✓			329	330	330	330	330	331	332	334	334	335	335	338	339	334	330	325	321	322	325	326	328	328	329	329	330	1	12	17	341	17	14	320	21
17	✓	✓		328	328	329	329	330	330	331	331	330	330	334	342	349	343	334	328	325	324	326	328	329	329	329	329	331	0	12	47	350	16	54	324	26
18	✓	✓		329	330	330	330	330	331	331	331	328	330	332	333	335	334	329	320	316	319	324	325	327	328	329	329	328	0	12	35	336	16	29	315	21
19				329	329	329	329	330	331	333	337	341	343	344	349	348	347	341	336	330	329	329	329	330	329	329	329	335	1	11	05	350	17	17	328	22
20				329	330	329	330	332	333	334	334	334	334	335	339	344	344	342	336	329	326	326	330	329	333	333	331	333	1	12	53	345	17	37	325	20
21				333	332	333	334	334	334	334	330	329	325	322	318	319	326	329	324	324	326	328	328	329	329	329	330	328	1	5	51	337	11	52	316	21
22				329	329	331	334	334	334	339	341	344	342	338	335	332	333	334	333	327	326	327	329	330	330	330	330	333	1	8	17	345	16	54	325	20
23			✓	330	331	333	333	334	334	335	335	331	329	327	330	335	334	334	325	325	328	329	328	329	333	331	329	331	1	5	47	339	15	34	324	15
24				331	332	332	331	334	334	334	335	335	336	335	336	344	346	337	334	329	330	332	330	330	330	330	330	334	1	13	29	349	16	49	329	20
25				330	330	332	333	334	334	335	335	335	335	330	326	329	332	333	326	325	325	326	329	330	332	332	330	331	1	9	05	338	11	32	324	14
26				332	332	334	334	334	334	334	332	329	329	326	327	329	334	332	329	328	327	328	331	333	331	330	330	331	1	13	29	335	10	30	324	11
27				331	332	334	334	334	335	338	333	330	330	331	333	333	334	336	333	329	329	330	331	332	332	333	333	332	1	6	15	339	16	34	328	11
28	✓	✓		332	333	334	334	335	335	337	334	329	324	320	319	324	329	332	334	333	329	329	(330	335)	335	334	334	331	1	6	42	338	11	00	318	20
29				334	334	335	334	335	338	339	336	330	321	320	324	329	332	334	331	326	326	328	331	333	334	334	333	331	1	6	28	340	10	10	319	21
30				332	333	333	334	334	334	336	337	335	337	341	344	350	349	339	330	326	330	330	(331	335)	335	335	334	336	1	12	49	352	16	10	325	27
31				334	334	335	335	335	337	338	335	334	333	330	330	330	335	331	326	330	331	333	334	334	335	335	335	333	1	13	42	339	15	35	326	13
MEANS ALL DAYS				330	330	331	331	331	332	334	334	333	332	332	332	333	332	329	326	325	326	327	329	330	330	330	330	330								18
MEANS TEN DAYS ✲				329	329	329	330	330	331	332	332	330	330	330	331	332	329	326	324	322	324	326	328	329	329	329	329	329								17
MEANS FIVE DAYS † (G. M. T.)				328	329	329	330	330	331	332	332	329	328	328	329	333	332	329	325	323	323	326 326	327 327	328	328	329	329	329								
MEANS FIVE DAYS ‡ (G. M. T.)				329	329	331	330	330	331	332	336	338	336	335	334	336	332	329	324	324	325	326	327	328	329	329	329	330								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 66

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1922 — SEPTEMBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				335	335	335	335	336	337	338	334	331	333	334	339	339	336	334	330	327	329	330	332	334	334	334	334	334	1	11 37	342	16 00	326	16
2	✓	✓		334	335	335	335	335	336	339	338	339	340	340	340	341	340	335	333	330	329	331	333	333	334	334	335	336	0	13 07	342	17 20	328	14
3	✓			335	335	336	337	338	338	339	340	342	342	340	341	343	344	341	335	328	329	331	331	333	334	334	334	337	1	13 32	345	16 48	326	19
4	✓			335	335	335	336	336	338	339	336	331	330	334	339	343	343	338	334	330	331	333	334	334	334	334	334	335	1	12 47	345	8 51	329	16
5	✓			334	334	334	334	335	338	338	335	334	333	331	330	330	332	330	328	326	328	330	334	333	333	333	333	332	1	6 11	339	16 37	325	14
6				334	334	334	334	334	336	338	334	334	336	331	334	334	334	334	334	334	334	334	334	334	334	334	330	334	1	6 30	339	10 55	330	9
7			✓	333	333	334	335	339	339	340	338	331	325	319	316	318	320	320	322	325	329	331	333	332	333	332	331	330	1	6 36	342	11 53	315	27
8			✓	333	333	334	334	335	337	338	343	341	338	334	330	329	328	325	324	323	325	331	332	333	331	332	334	332	2	7 44	344	16 06	322	22
9			✓	334	334	334	334	336	336	338	341	343	341	339	338	339	338	331	329	328	328	332	332	334	334	334	333	335	1	8 15	343	17 15	325	18
10				333	334	334	336	336	338	340	339	337	334	334	336	340	340	336	331	329	330	333	334	334	334	334	334	335	1	13 22	342	17 00	329	13
11				334	334	335	335	336	337	338	338	340	340	339	340	339	338	330	328	329	332	334	334	334	334	334	333	335	1	12 00	342	15 50	326	16
12				334	334	334	335	337	337	338	338	340	341	343	343	343	339	337	334	333	333	334	334	334	334	334	334	337	1	11 50	344	17 17	332	12
13				332	332	333	336	338	338	338	336	331	326	326	330	330	326	325	324	327	330	333	331	333	333	331	330	331	1	5 40	339	15 02	323	16
14			✓	329	330	330	333	334	334	343	348	347	340	335	334	336	332	328	324	324	329	334	335	334	337	338	337	334	2	7 49	349	16 30	322	27
15				335	335	336	337	337	338	337	334	334	330	332	334	339	340	343	338	334	334	334	337	336	335	335	334	336	2	14 22	344	9 37	329	15
16				334	334	335	335	337	338	338	335	335	335	334	334	329	329	330	330	330	331	334	334	334	334	334	334	334	1	5 59	339	13 04	327	12
17				334	334	335	335	337	338	336	334	334	335	341	348	353	350	348	338	330	330	334	336	336	336	336	336	338	1	12 30	354	16 47	329	25
18	✓			338	338	338	338	339	339	339	335	330	330	330	335	343	345	342	334	330	331	334	335	335	336	337	338	336	0	13 13	348	10 28	328	20
19	✓			338	338	338	338	339	339	338	334	331	334	334	335	341	339	334	329	326	330	334	336	337	334	335	336	335	0	12 36	342	16 00	325	17
20			✓	338	338	338	339	339	340	340	340	338	334	332	335	339	339	334	329	334	338	337	338	335	337	338	338	337	2	13 22	341	15 20	327	14
21				338	338	339	339	341	341	341	342	343	344	341	340	342	337	329	326	328	332	334	335	336	336	337	338	337	1	9 25	346	15 43	325	21
22	✓	✓		338	338	338	339	339	339	339	339	338	334	330	333	337	329	323	325	328	333	334	336	335	335	335	336	335	0	5 30	340	14 44	322	18
23	✓	✓		337	338	338	338	339	341	344	347	342	335	334	337	334	332	329	330	335	334	336	335	335	336	336	335	337	0	7 28	348	14 54	328	20
24	✓	✓		337	338	338	338	339	341	338	330	324	318	321	329	333	331	328	329	332	334	337	337	335	335	335	335	333	0	5 56	342	9 40	317	25
25				338	337	338	339	339	339	343	346	344	340	340	343	339	336	335	335	334	334	335	(336	337)	338	337	336	338	0	7 35	347	17 00	332	15
26	✓	✓		337	338	338	339	340	341	342	343	344	345	347	348	350	349	345	343	339	336	338	338	338	337	337	337	341	0	12 08	351	17 21	335	16
27				336	337	338	338	340	340	339	339	340	341	343	348	348	342	337	330	333	334	334	(335	335)	336	335	336	338	1	11 54	351	15 33	329	22
28				339	339	339	341	342	343	341	340	340	339	339	344	350	349	343	336	334	334	336	336	337	337	337	338	340	1	12 55	352	16 27	333	19
29				338	338	339	339	340	341	341	343	342	339	340	338	334	334	335	334	333	333	334	335	333	334	337	338	337	0	7 38	344	17 10	331	13
30				338	338	339	339	340	339	339	339	339	337	339	349	352	352	349	343	338	336	336	337	338	338	338	338	340	1	13 02	354	17 02	335	19
31																																		
MEANS ALL DAYS				335	336	336	337	338	339	339	339	337	336	335	337	339	337	334	331	330	332	334	335	335	335	335	335	336						18
MEANS TEN DAYS ✲				336	337	337	337	338	339	340	338	336	334	334	337	340	338	334	332	330	332	334	335	335	335	335	335	336						18
MEANS FIVE DAYS (G. M. T.) †				337	337	337	338	338	340	340	339	337	334	334	337	339	336	332	332	333	333	334 335 335	335 336	335	336	336	336	336						
MEANS FIVE DAYS (G. M. T.) ‡				333	334	334	335	337	337	340	342	340	336	332	331	332	331	328	326	327	330	333	333	334	333	333	332	333						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 67

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1922 — OCTOBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		339	339	339	340	341	341	342	340	334	328	328	334	338	336	334	335	333	334	334	336	337	338	339	339	337	0	6 32	343	10 04	324	19
2				339	339	339	339	340	340	339	338	338	333	334	340	342	335	334	335	337	335	335	336	336	335	335	335	337	0	12 28	343	9 37	330	13
3				337	338	339	339	340	341	341	341	341	337	338	341	331	320	319	324	325	329	331	334	335	338	338	338	335	1	8 08	343	14 08	318	25
4				338	338	339	339	341	342	342	339	335	332	334	334	333	334	339	339	338	337	335	334	334	336	334	334	337	0	5 50	343	9 57	331	12
5			✓	338	335	338	339	339	339	338	338	334	323	317	322	324	325	324	324	328	333	334	335	336	334	335	336	332	2	3 20	342	10 15	313	29
6			✓	337	338	338	338	339	339	338	338	338	338	341	349	349	345	342	338	337	335	334	334	336	335	336	337	339	1	11 52	354	19 58	333	21
7			✓	336	336	338	339	340	342	343	343	344	343	344	346	345	340	334	335	338	337	337	338	337	337	337	337	339	1	11 40	349	14 52	334	15
8				338	338	339	339	341	342	343	345	349	350	353	356	357	355	346	334	332	333	334	336	338	338	338	338	342	1	12 46	358	15 55	329	29
9				338	338	339	340	343	342	344	347	347	347	347	348	352	353	349	341	335	338	337	338	338	338	338	338	342	0	13 36	353	16 23	334	19
10				338	339	339	340	342	342	344	347	348	348	349	349	351	349	343	338	337	337	338	339	338	337	337	338	342	0	12 32	351	17 51	335	16
11	✓			339	339	340	340	341	342	343	346	347	343	344	347	347	343	340	334	334	334	336	337	337	337	337	336	340	0	11 28	348	16 45	333	15
12				338	338	339	340	341	342	342	342	336	336	342	343	342	339	337	334	332	334	338	339	338	338	339	339	339	0	10 53	344	16 35	332	12
13	✓			339	339	339	340	341	343	344	342	339	339	344	352	350	348	340	331	329	332	334	338	338	338	338	338	340	0	11 47	353	16 09	327	26
14				338	338	340	341	342	343	343	342	338	340	348	352	351	347	342	334	329	333	337	339	338	338	339	339	340	0	11 59	353	16 26	329	24
15				340	339	340	340	340	340	336	333	333	333	338	345	354	356	348	(342)	335	334	337	337	338	338	338	338	340	0	13 01	358	9 20	332	26
16	✓	✓		338	337	338	339	341	341	339	338	334	338	348	354	350	348	344	338	333	334	338	338	338	338	339	339	340	0	11 49	355	8 47	334	21
17				339	340	340	341	343	342	342	341	337	335	339	339	335	340	340	334	330	332	335	339	339	338	337	338	338	0	13 49	344	16 26	329	15
18	✓	✓		339	339	340	340	341	341	340	335	335	336	337	336	336	338	341	341	340	340	340	341	340	341	341	341	339	0	15 04	343	8 22	334	9
19	✓	✓		341	341	341	341	343	342	340	340	340	341	343	344	343	341	340	340	337	337	338	339	339	340	340	340	340	0	11 42	345	17 00	336	9
20			✓	341	341	342	343	342	344	345	349	350	347	347	348	350	349	353	352	345	342	341	343	343	343	342	341	345	1	14 50	354	18 14	340	14
21	✓			341	343	343	343	344	345	344	342	340	340	340	341	339	338	339	340	336	337	339	340	340	340	341	341	341	0	5 11	347	16 42	335	12
22	✓	✓		342	342	342	343	344	344	344	344	339	335	335	339	337	336	340	339	338	340	340	341	341	341	341	342	340	0	7 26	345	10 05	335	10
23	✓			342	342	343	344	344	346	349	353	353	353	356	353	348	344	343	343	343	344	344	344	342	342	342	342	346	0	10 18	357	15 04	341	16
24				341	342	342	344	344	344	343	344	340	339	340	338	334	335	340	340	336	339	340	341	340	340	340	340	340	1	7 56	347	12 51	331	16
25				339	339	339	340	342	344	343	340	340	339	337	337	335	334	337	335	333	336	339	341	340	339	339	339	339	0	5 36	345	16 48	332	13
26				340	341	341	341	342	344	342	342	342	342	341	341	338	333	332	332	332	336	338	341	339	339	340	340	339	0	5 37	345	14 26	331	14
27				340	340	340	341	341	342	341	342	341	341	341	340	342	340	340	340	340	341	341	342	341	341	341	341	341	0	5 18	345	12 15	338	7
28	✓			341	341	341	342	342	342	342	343	343	347	351	352	352	346	338	334	333	335	338	341	341	341	341	341	342	0	12 08	353	16 25	332	21
29				341	341	342	342	343	342	341	343	348	349	352	355	355	351	347	347	343	343	343	344	343	344	344	343	345	0	11 35	357	6 25	340	17
30				343	343	344	344	344	345	343	343	348	351	352	349	344	337	337	334	336	337	337	340	343	342	342	342	342	0	10 07	354	15 44	333	21
31			✓	338	342	345	348	348	349	348	354	359	359	356	355	352	351	350	345	338	341	344	347	347	347	348	347	348	1	8 48	361	16 20	337	24
MEANS ALL DAYS				339	340	340	341	342	342	342	342	342	341	342	344	344	341	340	337	335	336	338	339	339	339	339	339	340						17
MEANS TEN DAYS ✲				340	340	341	341	342	343	343	342	340	340	343	345	344	342	340	338	336	337	338	340	339	340	340	340	340						16
MEANS FIVE DAYS † (G. M. T.)				340	340	340	341	342	342	341	339	336	336	338	341	341	340	340	339	336	337	337 338	339 339	339	339	339	339	339						
MEANS FIVE DAYS ‡ (G. M. T.)				338	338	340	341	342	343	342	344	345	342	341	344	344	342	341	339	337	338	338	336	338	337	337	338	340						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 68

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1922 — NOVEMBER 1922

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1			✓	346	346	346	347	349	350	349	349	346	346	349	353	351	351	341	335	334	339	343	336	337	338	337	337	344	1	11	20	354	15	46	333	21
2			✓	337	337	339	340	342	339	334	332	335	342	346	354	356	355	349	343	338	337	337	338	337	337	338	338	341	1	13	05	358	7	53	332	26
3			✓	337	338	340	341	342	342	341	341	342	342	342	341	335	336	334	328	329	333	337	339	340	340	340	342	338	1	8	57	343	15	35	327	16
4				340	341	341	342	342	342	342	342	345	344	341	342	342	342	337	332	327	332	337	339	339	339	339	340	340	0	8	52	346	16	10	326	20
5	✓			341	341	342	342	342	342	343	347	355	359	364	366	361	352	346	341	338	338	340	342	342	341	342	342	346	0	11	10	368	16	44	337	31
6	✓	✓		342	342	342	342	343	344	347	352	358	355	351	355	351	347	346	339	334	336	337	340	340	339	338	338	344	0	8	49	360	16	55	333	27
7	✓	✓		340	342	342	342	345	345	342	344	347	345	342	342	343	346	347	343	342	340	339	341	342	341	342	342	343	0	8	27	349	17	20	338	11
8				342	342	342	343	345	343	340	342	347	351	355	353	350	347	345	341	337	338	340	342	341	341	341	340	344	0	10	48	356	16	25	336	20
9				341	341	342	343	345	344	342	346	347	352	355	357	352	347	342	338	337	337	342	342	341	338	338	340	344	0	11	27	358	17	21	335	23
10				342	342	342	343	346	346	347	349	352	354	357	354	343	343	343	338	334	337	342	342	342	342	342	341	344	1	10	44	360	16	23	334	26
11				341	341	342	343	345	343	343	347	350	351	353	354	351	343	339	336	334	338	342	344	343	342	342	342	344	0	10	49	356	16	14	333	23
12	✓			342	342	342	342	344	343	341	337	336	337	342	344	343	342	339	337	336	339	342	345	344	343	342	342	341	0	11	00	346	8	10	334	12
13	✓	✓		342	342	343	343	346	344	342	343	350	356	357	358	354	349	346	343	340	342	342	(343	344)	343	342	342	346	0	11	28	360	16	27	340	20
14				342	342	342	343	345	344	342	342	343	346	354	356	347	342	334	334	338	342	344	342	342	342	342	342	343	1	10	35	360	14	28	333	27
15				342	342	342	343	344	342	343	343	341	342	340	344	344	343	344	340	339	339	340	(342	344)	343	342	341	342	1	14	14	347	10	35	333	14
16	✓			342	342	342	344	344	342	341	341	343	344	342	344	341	339	338	336	338	338	339	339	339	339	337	339	341	0	11	02	345	15	08	335	10
17				339	341	342	343	344	340	344	352	360	363	364	364	356	351	345	342	340	340	342	341	341	341	341	341	347	1	8	51	367	16	30	340	27
18	✓	✓		341	341	341	342	343	340	339	341	346	350	354	359	353	349	345	339	336	337	340	340	340	339	339	340	343	0	11	22	360	16	52	335	25
19				340	341	342	344	344	340	336	338	346	355	356	352	346	345	343	336	331	336	338	340	339	339	338	338	342	0	10	44	357	16	37	331	26
20				340	340	341	341	341	341	340	341	345	345	345	348	348	349	346	340	336	336	341	342	341	340	340	340	342	0	11	44	351	17	05	335	16
21				339	340	340	341	344	342	344	345	349	347	350	352	348	345	344	337	331	333	337	339	340	340	339	339	342	0	10	45	355	16	38	330	25
22				339	340	341	342	344	341	339	341	341	341	340	339	335	333	335	335	339	342	344	341	340	340	340	339	340	0	18	00	345	13	42	332	13
23				339	340	341	341	343	342	345	350	354	355	355	354	349	345	340	338	337	340	341	343	342	342	341	341	344	0	8	58	356	16	20	336	20
24	✓			341	342	343	344	345	344	343	345	346	346	349	353	347	344	337	336	339	338	341	341	341	341	341	341	343	0	11	22	354	15	12	335	19
25	✓			341	341	341	342	344	342	341	341	345	351	351	350	347	345	339	341	341	344	345	344	344	344	344	343	344	0	10	44	352	14	33	339	13
26	✓	✓		343	343	343	344	345	342	341	345	350	349	345	343	339	339	337	335	336	339	341	344	344	344	343	342	342	0	8	50	350	15	54	334	16
27				341	341	341	342	343	341	343	348	359	361	362	363	355	355	354	349	344	340	341	340	340	340	340	340	347	1	11	07	365	17	08	337	28
28			✓	340	340	342	345	345	341	340	345	352	352	352	351	346	342	337	337	337	340	343	341	340	340	340	340	343	1	8	37	354	16	49	336	18
29			✓	338	338	336	340	345	341	344	349	353	349	345	337	328	326	326	322	327	335	340	341	341	341	341	341	338	1	8	47	354	15	41	321	33
30				341	341	340	341	341	339	348	357	360	357	355	354	350	350	349	345	339	337	340	342	342	341	341	342	346	1	8	30	361	17	27	336	25
31																																				
MEANS ALL DAYS				341	341	342	342	344	342	342	344	348	350	350	351	347	345	342	338	336	338	341	341	341	341	340	340	343								21
MEANS TEN DAYS ✲				342	342	342	343	344	343	342	344	348	349	350	351	348	345	342	339	338	339	341	342	342	341	341	341	343								18
MEANS FIVE DAYS † (G. M. T.)				342	342	342	343	344	343	342	345	350	351	350	351	348	346	344	340	338	339	341 / 340	342 / 342	342	342	341	341	344								
MEANS FIVE DAYS ‡ (G. M. T.)				340	340	341	343	345	343	342	343	346	346	347	347	343	342	337	333	333	337	340	340	340	340	341	340	341								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 69

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1922

DECEMBER 1922

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				342	342	343	343	344	342	345	349	355	358	361	359	352	345	338	340	338	337	340	343	341	341	343	341	345	0	10 30	364	14 28	336	28
2				341	342	343	344	345	344	345	353	357	358	359	355	349	345	340	337	337	337	340	341	341	342	342	341	345	1	11 00	359	15 22	336	23
3	✓	✓		342	342	343	344	345	343	343	350	351	350	350	349	343	338	338	336	334	338	342	345	344	344	343	343	343	0	8 03	352	16 32	333	19
4	✓			345	345	344	345	345	344	346	352	351	350	345	337	340	354	355	345	339	339	343	343	343	343	343	345	345	0	13 54	360	12 04	336	24
5			✓	341	338	339	343	344	341	351	360	363	355	350	347	344	343	345	345	343	340	338	342	341	340	340	341	345	0	8 22	364	2 17	336	28
6				343	342	345	345	346	345	342	344	345	341	339	337	340	340	341	341	340	339	340	341	343	342	342	343	342	1	8 25	348	11 39	336	12
7	✓			342	343	345	345	346	344	340	344	345	347	349	350	345	345	348	347	345	345	346	346	345	345	345	345	345	0	11 04	350	6 30	340	10
8	✓	✓		345	345	345	345	348	345	345	350	354	356	355	354	354	351	351	345	336	337	341	345	344	344	345	345	347	0	9 52	358	17 07	335	23
9				345	345	345	345	347	346	346	352	351	349	345	344	343	345	346	347	345	345	345	347	345	345	345	345	346	1	7 45	354	12 46	342	12
10			✓	340	340	343	345	346	345	345	350	357	361	363	361	359	354	350	342	342	341	344	345	345	345	343	343	348	1	10 45	364	1 00	338	26
11				345	344	344	344	345	346	345	351	356	361	367	366	359	352	345	340	340	340	343	345	345	345	345	345	348	1	10 52	369	15 24	339	30
12				345	345	345	346	349	349	350	352	353	352	350	346	340	336	335	330	330	335	342	346	345	345	345	345	344	0	8 07	354	16 15	328	26
13				345	345	345	345	346	345	345	347	349	352	354	353	344	345	343	339	341	340	342	345	345	345	345	345	345	0	11 05	356	15 51	338	18
14			✓	344	343	343	344	344	343	341	341	341	345	351	359	354	349	344	339	339	340	345	346	346	345	343	343	345	1	11 33	360	16 45	337	23
15			✓	345	345	347	347	348	347	350	358	361	363	359	358	356	350	345	342	336	337	345	345	346	346	347	347	349	1	9 20	364	16 46	335	29
16	✓	✓		347	347	348	348	349	348	346	347	350	358	364	363	353	349	349	341	338	340	345	347	348	348	348	347	349	0	10 50	365	16 35	337	28
17	✓			348	348	349	349	349	347	346	349	355	356	360	357	344	344	345	349	346	346	348	349	349	348	349	349	349	0	11 04	362	12 47	343	19
18				348	348	348	349	350	349	349	354	359	360	363	359	358	359	356	349	345	344	345	(346	348)	348	348	347	351	0	10 06	363	17 30	343	20
19	✓			347	346	347	348	349	349	349	353	354	354	356	354	350	346	345	348	345	346	349	349	347	347	345	345	349	0	10 11	358	14 26	342	16
20				348	348	348	349	350	350	351	354	354	354	359	362	365	361	359	352	347	345	346	(349	351)	350	349	349	352	0	12 28	367	17 04	345	22
21				350	350	350	350	351	351	355	362	357	351	354	355	355	350	352	351	346	347	347	350	349	348	347	347	351	0	7 35	364	17 10	346	18
22	✓	✓		347	348	349	349	351	350	348	350	355	355	361	365	365	360	357	356	351	349	349	350	350	350	350	350	353	0	12 00	369	0 15	346	23
23	✓	✓		350	350	350	350	351	351	355	362	363	363	368	365	359	351	348	347	345	345	346	349	349	349	349	348	353	0	10 40	369	17 09	344	25
24				348	348	349	350	351	350	351	355	359	360	360	356	346	345	350	350	347	348	348	350	350	349	350	348	351	0	9 17	361	13 02	344	17
25				348	347	347	347	350	350	351	359	364	367	369	370	359	355	352	350	348	350	350	349	349	349	349	347	353	1	11 12	376	3 42	346	30
26			✓	345	345	344	348	350	352	355	362	363	365	370	369	360	360	358	354	347	348	349	350	350	350	350	349	354	1	11 03	374	2 08	342	32
27				348	349	350	350	351	350	348	351	350	351	363	370	376	372	359	351	354	351	350	(350)	352	352	352	350	354	1	12 28	377	6 15	347	30
28	✓			349	349	350	352	353	353	353	353	353	349	349	348	348	349	345	344	341	345	347	350	351	351	351	351	349	0	6 48	354	16 18	340	14
29				351	351	351	351	352	352	352	352	352	353	355	357	355	354	354	351	347	346	348	348	348	349	350	351	351	0	11 46	359	17 04	345	14
30				349	349	349	350	351	351	355	359	359	358	360	359	357	353	346	341	344	346	348	349	349	350	350	351	351	1	10 48	361	15 27	340	21
31				350	350	351	352	352	352	353	355	354	354	356	357	354	351	348	347	347	348	350	351	351	351	351	351	352	0	10 41	358	15 07	346	12
MEANS ALL DAYS				346	346	346	347	348	348	348	353	355	355	357	356	352	350	348	345	343	343	345	347	347	347	347	346	349						22
MEANS TEN DAYS ✻				346	346	347	348	349	347	347	351	353	354	356	354	350	349	348	346	342	343	346	347	347	347	347	347	348						20
MEANS FIVE DAYS † (G. M. T.)				346	346	347	347	349	347	347	352	355	356	360	359	355	350	349	345	341	342	345 / 345	346 / 347	346	346	346	346	349						
MEANS FIVE DAYS ‡ (G. M. T.)				343	342	343	345	346	346	348	354	357	358	359	359	355	351	348	344	341	341	344	346	346	345	345	345	348						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 70

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1923

JANUARY 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			57	56	55	57	55	49	45	57	77	88	90	101	101	85	77	73	62	57	57	60	59	57	56	56	66	0	11	55	6	25	67
2				49	47	46	47	51	45	27	34	43	49	56	76	80	56	37	36	47	56	61	64	60	60	62	57	52	0	12	00	6	40	58
3	✓			56	53	49	48	47	43	31	38	46	57	69	81	86	81	66	59	56	54	56	57	60	62	60	57	57	0	12	50	6	20	60
4				56	56	54	53	56	53	39	39	57	59	74	84	77	57	57	57	56	54	57	64	65	67	66	66	59	0	11	50	6	40	50
5				58	57	56	53	53	50	47	59	68	76	87	99	92	77	69	57	46	48	56	65	65	64	61	57	63	0	11	35	6	15	61
6				55	52	53	56	56	49	44	49	58	67	76	83	77	67	60	47	45	54	57	64	61	60	60	59	59	0	11	45	6	30	45
7	✓	✓		58	57	56	56	55	51	47	47	57	72	79	88	78	60	47	46	47	47	56	57	57	57	57	57	58	0	11	40	6	50	52
8	✓	✓		57	57	57	57	57	56	52	57	67	68	86	95	86	59	46	37	43	47	57	65	62	59	58	57	60	0	11	15	96	15	60
9				57	56	54	48	47	47	41	42	57	78	98	113	107	90	78	77	61	59	58	65	62	61	60	58	66	0	11	40	117	7	80
10				56	56	56	53	52	52	47	53	64	77	84	92	83	58	51	52	56	58	59	64	66	66	63	61	62	0	11	40	94	6	48
11				55	52	51	48	48	47	46	57	67	67	72	76	67	58	57	56	57	57	57	67	67	65	60	57	59	0	11	30	77	6	34
12				57	55	52	47	51	48	48	64	76	89	96	88	69	47	46	54	57	58	58	65	65	63	60	57	61	0	10	20	98	14	54
13			✓	53	47	46	47	47	47	46	48	57	58	67	59	47	40	46	53	60	63	65	66	65	61	59	56	54	1	10	25	69	13	32
14				52	51	51	48	47	47	47	63	84	94	94	93	77	67	67	59	57	48	48	57	57	57	55	57	62	0	10	10	97	6	41	56
15				57	56	53	47	46	41	29	37	53	64	76	77	53	34	41	49	56	55	57	60	59	58	57	67	53	0	11	35	81	6	27	54
16				57	51	48	47	47	41	37	47	60	75	80	84	64	47	47	56	58	54	55	58	58	58	58	57	56	0	11	30	87	6	34	53
17				56	56	53	49	47	38	25	43	77	96	106	101	76	56	55	57	57	56	56	63	62	63	60	57	61	1	10	30	107	6	20	87
18	✓	✓		55	53	50	47	46	42	28	28	37	53	67	81	81	66	63	66	67	63	59	57	57	57	55	55	56	0	12	00	87	6	27	60
19	✓	✓		53	51	47	49	48	41	29	43	75	87	87	94	93	89	77	67	65	57	57	61	58	57	56	58	62	1	11	40	97	6	27	70
20			✓	56	49	47	43	41	37	28	37	53	74	78	87	87	67	56	47	48	63	65	66	66	61	57	54	57	2	12	05	99	6	26	73
21			✓	47	46	45	47	47	47	41	54	61	76	86	81	67	67	71	67	63	59	59	66	63	59	57	51	59	1	10	20	93	6	37	56
22				47	46	38	44	46	47	37	39	54	75	89	90	97	99	67	38	37	49	55	59	58	58	57	54	58	1	13	15	106	6	33	73
23				47	45	45	47	49	47	36	47	69	76	87	87	76	67	74	71	65	57	57	58	57	57	57	57	60	1	10	55	96	6	33	63
24				53	49	48	47	49	49	37	38	47	59	70	77	77	67	65	54	47	52	53	61	59	57	57	57	55	0	11	45	83	6	35	48
25	✓			56	49	47	47	51	53	53	63	78	92	106	107	97	86	84	76	67	57	57	57	57	56	56	56	67	0	11	40	108	6	15	47	61
26	✓			54	53	49	47	47	47	43	53	63	77	96	88	77	65	57	48	47	46	51	57	57	57	56	54	58	0	10	50	97	6	20	39	58
27	✓	✓		52	51	48	46	47	47	46	47	57	68	72	76	72	75	77	76	65	57	56	57	56	55	54	51	59	0	14	55	84	7	00	43	41
28	✓			49	48	47	47	47	47	46	57	77	77	77	77	69	59	59	56	47	45	47	47	54	55	53	52	56	0	8	50	83	6	20	39	44
29			✓	48	43	39	39	39	43	41	54	65	84	87	97	89	97	104	98	69	59	57	(60	61)	62	60	57	65	1	14	10	107	3	20	36	71
30			✓	55	47	47	48	46	45	36	36	43	57	63	75	66	67	67	56	50	48	49	57	57	57	57	55	54	1	11	05	83	6	45	27	56
31				53	51	50	47	48	47	45	53	60	68	76	71	57	54	64	63	57	55	53	(57	57)	57	56	53	56	0	10	40	80	6	30	41	39
MEANS ALL DAYS				54	51	50	49	49	47	40	48	62	73	82	86	78	67	62	58	55	55	56	61	60	59	58	57	59								57
MEANS TEN DAYS ✲				55	53	50	50	50	48	42	49	63	74	83	89	84	72	65	60	57	53	55	58	58	57	56	55	60								57
MEANS FIVE DAYS † (G. M. T.)				55	54	52	51	51	47	40	44	59	70	78	87	82	70	62	58	57	54	56 57	60 59	59	59	58	56	59								
MEANS FIVE DAYS ‡ (G. M. T.)				52	46	45	45	44	44	38	46	56	70	76	80	71	68	69	64	58	58	59	60	61	60	57	56	58								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 71

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				51	49	47	47	47	45	37	39	49	61	67	67	66	65	64	55	48	47	53	57	57	56	55	57	54	0	10 10	73	6 40	32	41
2				57	55	53	50	49	47	39	46	64	71	74	87	88	75	61	62	57	54	52	54	54	54	53	52	59	1	12 15	93	6 30	35	58
3				51	51	50	52	50	46	41	39	□										□	63	64	66	63	57		0			[6 50	37]	
4	✓			57	56	56	56	54	52	41	50	71	92	94	89	89	77	65	51	43	45	51	61	63	63	61	58	62	1	10 00	101	6 30	40	61
5	✓			57	56	54	53	52	49	38	41	51	70	82	83	87	90	71	52	43	42	47	57	61	59	57	54	59	0	13 45	92	6 40	34	58
6				51	46	43	42	44	42	33	31	43	62	71	71	71	72	67	59	48	51	52	56	55	53	53	52	53	0	13 45	77	7 15	27	50
7				51	48	47	47	46	48	41	43	52	63	72	74	73	72	77	79	75	66	64	65	65	62	59	53	60	0	15 45	83	7 00	37	46
8				52	46	41	45	51	51	40	29	29	32	44	54	60	69	71	75	73	67	60	58	59	57	56	53	53	0	15 55	77	9 05	27	50
9	✓	✓		51	48	47	47	51	52	46	45	50	57	58	66	66	71	73	69	57	48	51	56	56	56	54	50	55	0	14 10	75	7 00	41	34
10				48	48	43	44	44	42	37	40	52	61	77	83	77	72	69	56	51	50	53	58	59	57	56	54	55	1	11 25	91	6 45	33	58
11				51	48	47	47	47	47	40	38	47	56	65	72	71	66	63	67	66	59	57	57	58	57	56	52	56	0	13 05	75	7 00	34	41
12	✓	✓		51	50	48	47	48	47	44	45	52	63	65	62	63	61	67	67	56	54	51	57	57	55	52	51	55	1	15 00	71	7 40	42	29
13	✓	✓		50	49	49	50	50	47	42	45	57	67	73	81	82	80	67	57	51	52	51	55	52	52	51	49	57	1	12 58	83	6 45	38	45
14				48	46	46	47	47	46	42	47	59	72	77	84	81	73	74	66	58	51	51	52	52	52	52	49	57	0	11 30	86	6 30	41	45
15				49	47	47	48	48	46	37	37	46	57	63	67	63	65	71	73	66	57	52	56	54	53	52	51	54	1	15 40	74	6 45	31	43
16				48	47	44	48	49	51	43	48	59	56	62	62	54	53	53	53	48	46	52	58	58	54	53	52	52	1	10 50	75	6 40	40	35
17			✓	48	46	45	48	45	43	33	37	48	59	66	69	60	58	48	43	50	54	59	64	63	62	58	55	53	1	11 25	75	7 00	31	44
18				44	38	38	40	45	47	37	34	42	51	63	73	76	75	68	61	53	48	51	53	53	53	53	53	52	1	12 00	78	7 00	33	45
19				52	49	48	48	49	49	44	43	45	58	64	68	68	68	73	71	58	53	52	54	53	52	53	53	55	0	14 30	77	7 00	39	38
20	✓			52	51	50	48	48	48	43	38	40	51	62	72	74	79	80	73	64	55	53	56	56	56	53	53	56	0	14 10	84	7 20	37	47
21	✓	✓		52	50	49	49	52	54	45	38	38	46	60	78	86	94	95	73	58	53	52	57	58	58	55	53	58	0	14 10	99	8 00	36	63
22	✓			52	49	47	53	54	53	47	42	51	68	82	84	83	84	82	65	50	48	48	51	53	53	52	52	58	0	12 00	85	7 50	40	45
23	✓	✓		52	52	52	52	53	53	44	39	41	49	55	62	67	75	74	68	56	51	52	53	54	53	52	48	54	0	14 00	77	8 00	37	40
24	✓			46	48	48	49	50	46	28	12	11	19	27	35	53	56	62	64	58	57	54	56	58	61	58	59	47	0	15 10	68	8 05	6	62
25			✓	57	51	52	54	58	56	42	35	38	52	68	78	70	73	73	66	56	60	59	66	66	60	62	57	59	2	11 40	90	8 25	32	58
26			✓	58	56	56	56	54	47	44	42	43	49	52	62	64	72	73	72	65	61	60	(61	61)	62	60	55	58	2	15 10	74	7 55	41	33
27			✓	55	48	49	54	54	54	40	38	39	46	48	47	53	68	78	78	64	61	63	64	64	64	64	62	56	2	15 30	83	7 20	35	48
28			✓	58	53	53	56	57	56	54	53	54	58	58	57	50	53	58	60	62	57	54	(57	59)	58	58	57	56	1	16 40	64	12 10	45	19
29																																		
30																																		
31																																		
MEANS ALL DAYS a)				52	49	48	49	50	49	41	40	47	57	65	70	70	71	70	64	57	54	54	57	58	57	55	53	56						a) 46
MEANS TEN DAYS ✲				52	51	50	50	51	50	42	40	46	58	66	71	75	77	74	64	54	50	51	56	57	57	54	53	56						48
MEANS FIVE DAYS † (G. M. T.)				51	50	49	49	51	51	44	42	48	56	62	70	73	76	75	67	56	52	54 51	56 56	57	56	54	52	56						
MEANS FIVE DAYS ‡ (G. M. T.)				55	51	51	54	54	51	43	41	44	53	58	63	59	65	66	64	59	59	59	61	61	60	59	57	56						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 3

TABLE 72

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1923 | MARCH 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				54	53	52	53	55	54	47	39	34	33	34	38	38	48	62	62	60	59	60	58	58	58	57	55	51	0	14 45	68	8 15	32	36
2				52	51	51	51	55	56	56	57	58	62	65	69	74	77	75	68	60	56	54	57	57	55	54	56	59	0	13 30	79	2 50	49	30
3				53	52	50	49	50	52	48	48	50	58	72	80	80	71	60	54	53	55	58	64	59	58	56	55	58	0	12 05	88	6 55	43	45
4				54	53	52	54	54	54	48	48	50	56	62	77	77	77	76	61	51	49	50	56	55	57	57	58	58	0	12 05	79	6 45	45	34
5	✓			57	57	55	58	56	56	45	39	41	41	50	66	69	68	67	58	51	49	50	57	54	55	56	50	54	0	12 20	71	7 30	38	33
6	✓			53	52	50	49	50	49	39	38	38	32	37	48	55	59	57	50	48	48	48	55	56	57	57	52	49	0	13 40	64	9 30	30	34
7				51	50	49	48	49	48	39	38	39	47	49	63	67	68	69	68	59	54	50	57	55	56	53	55	53	0	12 45	74	7 25	36	38
8		✓		51	49	48	48	49	54	44	38	39	37	38	40	48	49	51	53	49	48	49	55	55	55	53	49	48	0	15 15	55	9 50	34	21
9	✓	✓		50	49	49	48	48	49	44	48	54	58	59	70	73	79	79	69	59	57	54	49	52	54	49	49	56	0	13 45	81	6 45	41	40
10	✓	✓		48	48	48	48	48	48	43	38	37	37	38	48	49	57	57	55	49	48	48	53	54	53	50	49	48	0	14 10	58	10 00	35	23
11	✓	✓		49	48	48	48	47	47	43	38	42	48	49	60	61	65	64	64	59	54	52	51	51	51	52	50	52	0	15 40	66	7 05	37	29
12	✓			48	48	47	47	47	47	39	38	40	41	40	47	52	60	62	60	59	57	55	57	54	53	52	49	50	0	14 25	67	7 30	37	30
13	✓			48	48	48	47	48	48	40	38	27	28	38	49	47	40	44	48	48	47	47	50	50	50	49	50	45	0	11 45	58	8 20	24	34
14				48	48	48	48	48	48	48	47	56	65	74	78	78	69	58	48	42	44	48	55	54	52	53	48	54	0	12 05	82	16 40	38	44
15			✓	48	47	47	40	45	45	38	38	48	58	60	65	62	58	57	50	50	49	50	55	56	55	54	51	51	1	12 35	69	7 05	34	35
16				48	47	48	48	48	48	41	38	42	54	67	65	58	50	48	55	56	55	49	56	56	54	55	54	52	0	10 25	70	7 55	36	34
17				54	48	46	44	48	48	43	40	48	59	68	77	76	67	57	57	49	48	48	53	53	52	52	52	54	0	12 00	80	7 20	38	42
18				48	48	47	48	48	49	48	47	53	63	69	77	72	68	61	58	50	49	50	57	54	54	52	48	55	0	11 20	79	7 40	46	33
19	✓			48	48	47	48	47	47	46	51	67	78	82	87	82	74	70	58	48	48	47	48	48	48	49	48	57	0	11 40	90	6 10	42	48
20				48	47	48	48	48	46	40	42	54	70	86	86	78	70	69	67	58	49	48	50	49	49	49	48	56	0	11 05	89	7 00	39	50
21				48	48	47	47	47	48	40	37	38	55	64	77	84	84	77	63	54	48	52	58	57	57	57	54	56	0	13 10	88	7 35	31	57
22	✓			52	50	49	48	48	46	41	45	54	58	60	67	69	73	69	59	54	48	47	47	47	47	47	48	53	0	13 35	76	6 20	39	37
23	✓	✓		48	47	47	48	48	48	46	39	45	55	64	78	84	86	78	65	49	47	44	48	47	47	48	47	54	0	13 45	88	7 40	38	50
24			✓	47	47	48	48	48	47	39	38	49	62	81	94	98	94	88	73	58	54	48	50	47	52	48	55	59	2	12 00	110	6 20	35	75
25			✓	58	57	54	57	58	64	58	58	61	57	58	70	94	99	78	68	58	47	49	57	55	54	52	55	62	2	13 10	106	17 30	45	61
26			✓	54	54	57	48	58	57	48	45	48	57	58	65	70	80	79	77	65	57	56	(57	55)	54	54	56	59	1	13 25	84	7 15	39	45
27			✓	49	49	49	57	59	62	57	54	52	48	57	68	78	78	77	73	67	58	56	56	55	57	57	50	59	1	12 30	81	9 30	47	34
28				52	53	53	52	52	53	54	52	53	54	54	58	69	69	59	57	57	57	55	(51	50)	51	50	54	55	0	13 10	77	8 05	48	29
29				53	51	51	53	55	56	57	59	70	73	76	85	88	79	68	59	54	52	51	50	51	54	53	49	60	0	12 00	89	23 50	48	41
30				49	49	48	48	52	54	50	49	55	56	57	69	77	70	68	67	60	58	55	49	51	50	50	54	56	0	12 30	78	7 05	47	31
31				54	50	50	52	53	54	56	57	57	58	58	61	62	60	59	61	61	58	50	50	49	50	51	49	55	0	12 00	66	2 30	47	19
MEANS ALL DAYS				51	50	49	49	51	51	46	45	48	53	59	67	70	69	66	61	55	52	51	54	53	53	52	52	54						38
MEANS TEN DAYS ✲				50	50	49	49	49	48	43	41	44	48	52	62	64	66	65	59	52	50	49	52	51	52	51	49	52						36
MEANS FIVE DAYS (G. M. T.) †				49	48	48	48	48	49	44	40	43	47	50	59	63	67	66	61	53	51	50 49	52 51	53	53	50	50	52						
MEANS FIVE DAYS (G. M. T.) ‡				51	51	51	50	54	55	48	47	52	56	63	72	80	82	76	68	60	53	52	53	52	52	51	52	58						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 73

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			48	48	48	50	54	57	56	58	62	61	64	61	58	47	37	39	48	52	53	54	53	53	52	50	53	0	10	05	14	50	36	28
2	✓	✓		49	49	49	50	51	53	55	59	59	61	63	72	77	74	65	58	49	47	46	48	48	49	48	48	55	0	12	50	16	15	44	35
3				47	47	48	57	57	49	45	43	47	58	68	80	85	79	67	61	58	54	50	50	49	49	48	48	56	0	12	30	8	00	42	45
4				48	47	47	47	47	48	47	46	48	51	60	72	78	74	62	51	43	43	45	47	47	48	48	48	52	0	12	20	16	40	39	43
5	✓	✓		47	47	47	48	46	45	38	34	34	38	43	53	60	58	58	57	52	48	48	48	48	48	48	48	48	0	12	55	8	05	33	29
6	✓			47	47	48	48	47	46	45	43	45	52	63	70	73	71	62	57	52	48	48	49	51	52	50	50	53	0	12	05	7	10	40	34
7				50	48	48	47	47	47	47	42	45	49	50	52	57	56	55	52	48	48	51	51	52	52	52	50	50	0	12	25	8	05	41	18
8				49	48	48	48	47	47	47	51	56	64	67	73	82	72	59	52	44	43	46	47	49	49	49	48	54	1	12	20	17	40	42	41
9				48	48	48	50	50	51	53	51	52	55	58	55	58	60	54	47	46	49	50	48	47	48	48	48	51	1	13	15	16	00	45	17
10				48	46	45	46	48	49	54	53	58	63	65	62	61	60	56	43	41	44	49	48	47	47	46	46	51	1	10	30	16	20	38	30
11				46	45	44	42	47	47	48	52	55	63	69	76	84	86	82	66	60	55	48	47	47	48	46	44	56	1	13	20	3	50	38	50
12			✓	44	42	41	46	48	51	54	53	48	52	47	38	35	31	33	42	45	48	49	47	47	47	47	45	45	1	6	30	14	05	28	30
13			✓	45	46	47	48	52	53	61	68	68	69	63	52	43	46	47	48	53	54	55	56	55	53	50	48	53	1	8	15	12	40	40	30
14				48	47	46	45	48	52	53	53	56	59	57	56	52	47	45	43	45	48	53	54	52	49	48	48	50	0	9	45	15	40	41	21
15				48	48	48	48	51	54	55	48	48	53	57	61	61	56	54	50	48	48	48	48	48	48	48	47	51	0	12	10	16	40	47	16
16	✓			46	46	46	47	48	49	51	48	44	45	53	58	54	48	44	41	41	45	46	46	46	47	46	46	47	0	11	05	16	10	40	19
17	✓	✓		46	47	48	50	52	54	52	54	57	67	78	82	83	82	79	67	49	45	45	44	44	45	45	44	57	0	12	20	17	00	43	41
18				45	45	45	46	46	47	50	59	71	78	81	78	73	61	47	45	49	52	52	48	48	48	47	47	54	0	10	10	15	20	43	39
19				47	47	46	48	48	51	58	58	58	57	59	62	63	62	55	44	42	43	45	45	45	47	47	47	51	1	12	50	17	00	41	23
20				49	47	48	47	47	47	49	48	44	41	38	44	56	61	59	52	48	47	48	48	50	48	46	42	48	1	13	20	10	40	36	26
21			✓	46	49	51	48	56	57	61	64	64	66	63	58	54	47	48	48	48	44	43	47	49	49	49	50	52	1	9	15	18	20	42	30
22			✓	48	50	48	53	55	59	61	63	63	65	66	71	63	58	54	49	45	44	46	48	48	49	48	47	54	0	10	05	17	30	42	30
23			✓	48	50	50	51	53	55	59	58	56	59	61	63	57	55	56	54	49	44	47	(43 | 48)	50	48	47	53	0	11	20	17	40	43	21
24				47	46	46	51	54	54	50	57	62	65	66	72	75	72	69	63	56	51	50	46	47	47	46	46	56	0	12	15	1	10	44	34
25	✓			48	48	48	53	54	56	58	60	59	62	64	69	68	70	70	62	53	46	45	(46 | 47)	47	48	49	55	0	14	10	18	35	43	29
26	✓	✓		49	50	49	53	54	54	48	48	49	57	63	71	71	74	74	74	65	53	48	48	48	48	48	48	56	0	13	30	7	30	45	31
27	✓	✓		48	49	50	52	53	53	50	39	27	29	35	45	46	46	49	53	53	48	47	46	46	46	48	48	46	0	16	10	8	50	26	28
28	✓			49	48	49	52	53	55	57	58	54	50	52	53	53	62	71	63	52	45	46	47	46	47	48	48	52	0	14	35	17	30	42	30
29				48	48	48	53	55	55	62	64	57	50	47	48	52	56	56	50	46	44	46	46	46	46	46	47	51	0	7	05	17	00	42	24
30				46	48	50	51	53	59	68	75	72	61	57	58	58	58	55	49	48	46	45	46	47	48	48	48	54	0	8	00	18	00	44	32
31																																			
MEANS ALL DAYS				47	47	47	49	51	52	53	54	54	57	59	62	63	61	57	53	49	48	48	48	48	48	48	47	52							30
MEANS TEN DAYS ✲				48	48	48	50	51	52	51	50	49	52	58	63	64	63	61	57	51	48	47	48	48	48	48	48	52							30
MEANS FIVE DAYS † (G. M. T.)				48	48	49	51	51	52	49	47	45	50	56	65	67	67	65	62	54	48	47 47	48 47	48	49	48	48	53							
MEANS FIVE DAYS ‡ (G. M. T.)				46	47	47	49	53	55	59	61	60	62	60	56	50	47	48	48	48	47	48	47	48	48	47	46	51							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 74

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1923 — MAY 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		47	46	46	46	48	52	56	57	50	49	58	55	52	52	57	58	48	44	44	44	44	46	47	47	50	0	10 30	63	17 30	43	20
2	✓			46	45	46	48	48	49	48	36	24	18	19	20	43	48	49	49	48	48	47	44	44	43	44	46	42	1	14 30	51	9 45	17	34
3			✓	47	48	48	47	48	50	57	52	48	43	40	44	57	58	54	49	38	33	40	46	45	48	48	48	47	1	13 00	62	17 40	27	35
4				47	47	49	50	51	55	56	50	48	47	52	57	58	60	54	48	44	42	40	46	48	48	46	48	50	0	13 20	64	18 50	39	25
5				48	48	47	48	48	52	53	44	39	39	48	58	65	63	60	57	44	42	43	46	46	47	47	48	49	0	13 05	68	8 55	37	31
6	✓			48	47	47	49	50	56	57	57	49	52	68	78	79	78	64	53	48	46	42	44	43	46	47	45	54	0	13 00	80	18 45	41	39
7				46	48	48	48	50	54	54	48	39	42	58	68	74	66	63	57	47	38	38	45	48	48	48	47	51	0	12 25	78	8 30	37	41
8				47	48	48	48	49	54	62	61	58	55	56	63	59	54	58	52	48	46	45	47	48	47	46	46	52	0	6 50	68	18 05	42	26
9				44	44	47	48	48	48	48	53	48	46	48	56	63	70	72	67	55	48	45	45	44	45	45	45	51	0	14 45	75	18 10	40	35
10	✓			42	44	47	48	49	51	56	50	39	30	34	37	48	51	61	58	48	45	42	41	41	41	41	43	45	0	14 05	68	9 30	28	40
11				46	47	47	49	49	51	52	50	49	48	47	51	59	75	73	65	49	45	45	43	42	42	42	46	50	0	13 55	79	20 15	41	38
12	✓	✓		45	45	43	49	49	50	56	52	50	49	40	42	49	60	66	59	49	49	45	48	43	42	42	47	49	0	14 35	69	11 20	39	30
13	✓	✓		45	47	48	52	53	59	59	58	53	52	56	59	58	58	58	50	47	42	40	42	42	40	40	46	50	0	6 50	60	18 30	39	21
14				45	46	48	49	50	53	59	59	51	49	48	49	50	52	52	48	39	37	39	41	40	41	41	43	47	0	6 45	66	17 00	33	33
15				43	45	46	47	49	53	59	63	69	79	88	89	78	69	62	55	42	40	41	45	41	42	42	44	55	0	11 25	92	17 00	39	53
16				43	44	44	49	49	49	48	48	45	39	38	45	59	59	59	52	48	40	38	39	39	40	42	48	46	1	13 00	60	10 10	36	24
17			✓	48	49	50	49	52	58	61	53	47	49	41	49	46	53	51	49	43	41	38	42	44	43	48	49	48	1	6 45	69	10 15	36	33
18			✓	53	54	51	56	58	59	69	69	65	56	50	47	48	49	56	60	57	49	43	48	46	49	49	49	54	1	7 20	79	20 45	41	38
19				49	49	50	50	51	59	63	62	52	40	39	(41)	49	59	65	59	52	47	41	41	42	42	42	48	50	1	6 55	69	[11 00	39	30]
20				48	49	50	49	50	51	58	52	46	39	40	45	46	52	59	51	46	39	39	45	46	46	47	48	48	1	6 55	60	10 10	37	23
21	✓			48	49	49	50	51	59	62	59	45	39	39	41	49	53	59	56	48	42	42	43	42	46	47	48	49	1	6 15	69	10 55	37	32
22	✓	✓		48	49	49	49	49	50	51	50	49	49	51	59	69	71	69	66	51	43	41	41	45	47	47	49	52	1	14 00	73	19 25	39	34
23				49	49	49	50	51	50	45	38	31	29	33	37	38	38	42	46	41	42	42	41	47	48	49	49	43	0	4 35	55	9 20	24	31
24	✓	✓		49	49	49	51	52	54	56	58	49	46	42	49	54	55	59	59	54	44	41	41	41	41	41	46	49	0	15 30	61	10 00	40	21
25				48	49	50	51	57	58	60	64	57	50	49	43	48	50	58	59	49	45	47	43	42	41	42	47	50	1	7 20	69	11 30	41	28
26				44	44	48	49	50	52	60	60	56	50	48	49	59	61	63	56	49	39	39	42	42	42	43	44	50	0	6 45	68	18 00	38	30
27				43	44	48	49	49	58	65	64	57	45	40	39	39	40	49	59	51	40	40	43	47	48	44	42	48	0	6 30	69	10 30	38	31
28	✓			42	42	47	49	50	53	59	55	44	38	29	32	39	42	51	54	49	41	44	48	46	42	41	45	45	1	6 35	67	10 45	28	39
29			✓	47	47	47	49	50	56	69	77	61	44	39	45	47	38	41	45	49	43	41	49	48	48	47	48	49	1	7 15	81	9 55	32	49
30			✓	48	52	57	52	56	61	71	69	59	48	39	41	46	49	49	59	54	47	47	42	46	47	46	47	51	0	6 50	77	11 15	36	41
31				48	49	49	49	51	59	70	70	59	46	36	39	42	48	50	49	41	41	39	39	41	42	46	47	48	0	6 45	79	11 20	32	47
MEANS ALL DAYS				46	47	48	49	50	54	58	56	50	45	46	49	54	56	58	55	48	43	42	44	44	44	45	47	49						33
MEANS TEN DAYS ✲				46	46	47	49	50	53	56	53	45	42	44	47	54	57	59	56	49	44	43	44	43	43	44	46	48						31
MEANS FIVE DAYS (G. M. T.) †				47	47	47	49	50	53	56	55	50	49	49	53	56	59	62	58	50	44	44 42	44 43	44	45	46	48	50						
MEANS FIVE DAYS (G. M. T.) ‡				49	50	51	51	53	57	65	64	56	48	42	45	49	49	50	52	48	43	42	44	44	43	44	47	49						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 75

DECLINATION

JUNE 1923

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			46	47	48	49	55	59	64	67	63	58	49	49	52	49	49	55	50	46	44	41	44	44	44	46	51	0	7 00	69	13 40	40	29
2	✓			46	47	47	52	55	57	60	57	50	48	41	43	52	53	52	51	45	41	43	43	42	43	44	46	48	1	6 40	61	17 15	39	22
3				46	46	46	47	48	50	53	49	43	34	39	47	53	54	55	54	43	36	35	37	38	41	43	44	45	1	13 55	58	9 40	29	29
4			✓	42	41	43	42	46	47	44	42	46	44	44	49	53	55	58	49	44	36	38	42	42	44	35	35	44	1	14 30	59	24 00	30	29
5				42	49	47	48	48	47	55	63	64	56	47	49	59	58	55	50	45	43	42	43	44	44	45	47	50	1	8 10	69	0 00	30	39
6				47	47	49	53	54	55	62	63	58	53	53	55	53	48	50	47	47	40	40	42	44	45	44	43	50	1	7 30	66	17 30	39	27
7				43	44	47	48	52	54	59	58	51	38	29	28	33	33	41	52	51	46	44	44	47	44	44	43	45	0	7 00	64	11 15	27	37
8				43	43	45	49	50	54	60	58	49	36	31	29	33	34	42	55	53	44	42	44	43	44	44	43	44	0	6 45	63	11 20	27	36
9	✓	✓		43	45	46	48	50	54	60	55	41	19	14	17	36	55	67	69	57	40	44	45	45	46	45	44	45	0	15 05	75	10 30	11	64
10	✓	✓		44	44	45	49	51	55	67	68	57	49	40	41	53	63	74	74	56	45	43	40	41	41	41	43	51	1	15 20	77	11 00	34	43
11				44	45	48	52	52	57	62	51	40	28	24	28	35	40	49	58	51	41	41	41	41	42	43	43	44	1	6 20	65	10 30	23	42
12				44	44	45	47	51	54	65	63	52	43	39	43	49	50	54	54	43	31	30	37	43	49	47	51	47	1	6 45	69	18 00	26	43
13			✓	54	50	50	51	59	63	68	71	64	59	48	52	48	43	48	44	39	39	42	42	43	45	46	49	51	1	7 00	73	17 45	37	36
14			✓	49	48	49	50	53	55	60	64	58	47	35	33	36	41	38	37	36	42	43	43	44	45	47	48	46	1	7 35	72	11 30	32	40
15				48	47	49	51	48	54	63	73	72	61	56	53	54	54	54	48	43	39	43	44	44	45	46	48	52	1	8 00	74	17 15	38	36
16				47	47	47	47	47	49	54	57	59	55	55	53	59	57	56	48	41	38	41	46	43	45	46	46	49	0	13 00	64	17 10	36	28
17	✓	✓		46	46	47	47	46	46	51	55	54	43	35	35	40	43	46	38	36	37	40	41	43	44	44	44	44	0	8 00	59	16 50	34	25
18	✓	✓		44	45	45	48	49	49	52	53	49	42	45	44	53	58	52	41	38	38	40	(43	44)	44	44	46	46	0	13 00	60	17 00	34	26
19				47	48	49	49	50	52	55	60	58	49	48	52	58	58	51	39	34	35	39	41	43	44	45	47	48	1	7 40	64	17 00	30	34
20				47	48	49	49	49	50	54	59	59	57	51	43	51	53	46	39	34	35	35	(34	39)	40	43	46	46	1	7 35	63	[19 00	32	31]
21			✓	45	44	45	43	42	42	48	59	60	56	48	46	47	49	46	37	34	35	37	41	43	43	44	45	45	1	8 20	63	16 25	33	30
22				45	45	45	42	47	50	56	60	58	49	48	51	57	55	48	42	34	35	40	41	43	43	43	44	47	1	8 00	63	16 55	30	33
23	✓			44	44	44	46	46	47	51	55	52	53	51	49	51	51	53	50	43	40	40	40	41	42	43	44	47	0	7 20	57	17 10	39	18
24	✓	✓		45	45	45	48	49	49	49	49	47	46	44	49	56	62	66	56	40	38	39	39	40	40	42	41	47	0	14 30	68	17 15	35	33
25	✓			42	42	44	44	46	48	53	57	54	49	48	47	51	53	59	57	47	40	40	41	41	41	43	43	47	0	14 50	66	13 30	39	27
26				44	45	47	48	50	52	56	54	43	37	39	45	48	55	59	57	48	39	39	36	39	41	41	39	46	1	14 45	61	10 00	35	26
27				38	41	47	49	52	55	59	68	69	54	49	55	60	63	56	43	35	35	35	38	42	43	44	43	49	1	8 00	75	17 00	31	44
28				47	47	47	47	52	54	60	69	62	54	43	40	48	51	54	50	46	41	40	40	43	44	44	44	49	0	7 55	70	18 30	39	31
29	✓			44	44	45	49	50	49	53	58	53	44	35	43	50	51	48	47	38	35	36	37	40	42	42	43	45	1	7 40	59	17 20	31	28
30			✓	43	38	38	47	49	55	65	76	65	51	47	45	56	54	61	55	46	43	43	46	49	49	47	46	51	1	7 55	79	1 15	34	45
31																																		
MEANS ALL DAYS				45	45	46	48	50	52	57	60	55	47	42	44	49	51	53	50	43	39	40	41	43	44	44	44	47						34
MEANS TEN DAYS ✲				44	45	46	48	50	51	56	57	52	45	40	42	49	54	57	54	45	40	41	41	42	43	43	44	47						32
MEANS FIVE DAYS † (G. M. T.)				44	45	46	48	49	51	56	56	50	40	36	37	48	56	61	56	45	40	41 41	43 42	43	44	44	44	47						
MEANS FIVE DAYS ‡ (G. M. T.)				47	44	45	47	50	52	57	62	59	51	44	45	48	48	50	44	40	39	41	37	41	43	44	47	47						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 76

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1923 — JULY 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				48	46	43	45	47	47	51	57	59	50	49	53	69	71	65	53	47	44	43	43	45	48	49	43	51	0	13 00	73	2 36	42	31
2				41	43	45	45	47	49	59	69	61	52	46	47	49	39	42	45	42	42	42	41	42	43	42	44	47	0	7 10	70	13 35	37	33
3				42	42	40	41	44	48	49	59	67	69	62	59	49	44	43	39	38	39	40	40	41	42	43	44	47	0	9 25	69	17 15	37	32
4	✓			46	47	48	49	49	50	52	53	51	49	45	49	55	50	50	49	43	42	42	42	42	42	42	42	47	0	12 06	57	17 08	41	16
5	✓	✓		43	43	43	44	49	51	56	62	58	49	44	48	48	49	49	50	48	40	40	40	40	40	41	41	46	0	7 36	63	17 49	38	25
6				42	43	44	46	49	49	53	60	56	55	50	44	48	45	32	31	39	38	38	43	47	46	49	51	46	1	7 57	67	14 55	29	38
7			✓	47	48	46	48	46	49	58	69	62	58	59	54	56	62	63	58	48	43	43	42	42	43	43	44	51	1	7 19	69	18 45	41	28
8				45	45	45	46	47	48	54	57	51	45	44	42	42	48	52	51	47	40	39	40	41	41	43	43	46	0	7 07	59	18 11	39	20
9				44	44	46	48	49	50	51	56	57	55	58	59	61	68	68	56	43	38	36	34	39	40	43	42	49	0	14 26	69	19 35	33	36
10			✓	45	45	48	48	50	59	59	59	49	33	33	39	47	40	48	48	43	38	38	38	40	43	43	48	45	1	7 47	72	9 16	30	42
11			✓	48	48	47	47	49	51	57	61	56	49	50	57	58	59	58	50	40	40	40	40	41	41	42	44	49	0	7 23	66	17 07	39	27
12				44	44	45	48	48	49	53	52	48	39	39	43	49	53	53	50	54	51	50	41	42	42	43	44	47	0	6 48	57	9 53	34	23
13				44	44	44	44	46	47	51	59	55	49	46	45	49	52	52	48	39	39	39	39	41	43	44	45	46	0	7 39	59	16 50	38	21
14	✓	✓		44	45	45	46	47	49	53	58	55	50	46	52	61	57	47	43	38	38	38	40	41	41	42	43	47	0	12 30	61	18 34	37	24
15	✓	✓		44	44	44	45	45	47	51	57	53	49	47	47	49	50	51	48	41	38	38	38	39	41	43	44	46	0	7 29	58	17 19	36	22
16	✓			45	45	45	45	47	48	52	59	56	48	44	47	53	56	57	59	32	39	38	39	40	41	42	42	47	0	7 27	60	17 48	37	23
17				42	42	43	44	46	47	51	52	41	34	31	38	48	49	55	48	39	32	35	38	38	41	42	43	42	0	14 27	55	10 22	30	25
18			✓	43	43	46	48	50	52	55	56	52	35	31	42	53	51	48	41	34	34	33	(34)	36	39	42	40	43	1	7 17	58	9 57	26	32
19				39	41	42	44	45	47	44	49	47	47	54	59	64	64	63	56	49	44	41	(39)	43	43	44	43	48	0	14 11	67	18 35	39	28
20				42	43	43	45	45	45	43	39	40	43	49	53	62	62	63	59	49	43	41	41	41	41	41	41	46	0	14 55	66	7 49	37	29
21	✓	✓		42	42	43	43	47	48	49	48	38	27	27	36	50	57	55	42	34	32	34	39	40	41	41	41	42	0	13 57	59	9 41	22	37
22				43	43	43	44	48	47	42	48	46	39	35	39	46	58	59	45	35	31	31	37	37	42	44	43	43	0	14 15	61	17 10	30	31
23			✓	43	50	49	50	53	55	61	60	52	43	38	34	43	54	54	49	40	38	39	42	42	43	44	44	47	1	6 48	66	11 29	33	33
24	✓	✓		44	44	45	48	49	51	52	55	49	39	38	39	49	53	53	48	39	39	40	41	40	41	42	42	45	0	14 03	57	11 08	38	19
25	✓			41	42	43	44	47	49	52	57	48	38	37	49	62	57	51	49	44	39	41	39	39	40	40	41	45	0	12 32	63	10 22	36	27
26	✓			42	42	43	45	49	49	57	55	47	40	39	39	49	57	59	54	48	41	38	37	39	41	43	42	46	0	14 11	61	11 05	37	24
27				43	43	44	45	49	52	57	58	51	42	45	51	60	59	58	49	42	43	45	44	44	44	42	42	48	0	12 50	61	9 40	39	22
28				42	42	43	44	(47	49	51	55)	59	53	58	68	74	65	57	54	49	44	40	39	39	41	42	41	50	0	12 09	78	20 15	38	40
29				41	41	42	45	47	50	55	57	52	64	63	61	57	57	55	46	39	37	39	38	38	39	40	40	48	0	9 34	68	17 24	36	32
30	✓			40	41	42	43	45	47	48	42	39	37	38	47	59	69	65	54	42	34	34	35	38	38	40	40	44	0	13 39	71	17 35	32	39
31				40	41	42	47	49	50	51	51	40	34	38	46	51	59	58	57	52	44	35	34	34	38	39	41	45	0	13 18	61	9 25	33	28
MEANS ALL DAYS				43	44	44	46	48	49	52	56	51	46	45	48	54	55	54	49	42	39	39	39	40	42	43	43	46						29
MEANS TEN DAYS ✲				43	44	44	45	47	49	52	55	49	43	40	45	54	56	54	50	41	38	38	39	40	41	42	42	45						26
MEANS FIVE DAYS † (G. M. T.)				43	44	44	45	47	49	52	56	51	43	40	44	51	53	51	46	40	37	40 38	41 40	41	42	43	43	45						
MEANS FIVE DAYS ‡ (G. M. T.)				45	47	47	48	50	53	58	61	54	44	42	45	51	53	54	49	41	39	39	38	40	42	44	45	47						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 77

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1923

AUGUST 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		41	43	45	47	48	51	51	44	32	20	23	36	51	56	55	55	52	37	37	38	38	38	41	42	43	0	13 20	59	9 40	19	40
2	✓			42	45	45	47	49	50	55	54	43	38	40	40	49	61	52	39	36	31	32	37	39	40	42	42	44	0	13 43	63	18 04	30	33
3			✓	41	39	38	38	48	38	38	46	50	57	62	67	77	69	52	39	31	37	39	38	39	41	40	34	46	1	12 27	79	16 40	30	49
4			✓	40	46	42	41	48	50	51	49	48	45	45	50	60	58	51	49	48	42	42	39	40	42	43	43	46	0	12 41	63	17 30	39	24
5				42	42	42	43	44	45	47	51	56	61	62	68	77	75	60	51	42	40	41	39	39	39	40	42	50	0	13 02	80	17 53	38	42
6			✓	41	42	44	47	48	50	60	61	60	49	43	48	62	64	57	48	41	40	40	40	40	41	41	41	48	1	12 56	68	18 12	39	29
7				41	43	46	48	48	49	53	51	43	41	43	48	62	63	51	40	38	37	40	38	39	39	40	40	45	0	13 03	69	17 12	36	33
8				41	41	42	43	47	48	49	48	41	38	38	45	57	60	56	51	49	45	40	39	39	39	41	41	45	0	13 10	62	9 57	33	29
9				42	42	43	46	47	49	57	57	49	42	39	42	54	61	58	53	48	43	39	39	39	39	40	42	46	0	13 30	61	10 45	38	23
10	✓			42	43	44	47	49	54	70	77	62	39	19	16	22	31	38	42	39	34	38	39	39	40	41	41	42	0	7 04	80	11 13	14	66
11	✓			42	43	44	46	48	62	64	69	60	44	31	31	32	34	38	42	48	41	38	38	38	39	39	40	44	0	7 30	69	10 54	29	40
12				40	41	45	47	49	55	67	67	56	44	37	36	40	40	39	45	49	40	39	39	39	38	39	42	45	1	6 47	71	10 32	34	37
13			✓	42	43	48	48	49	57	61	63	56	49	49	49	49	56	55	43	42	41	41	40	39	38	38	38	47	1	7 12	66	22 00	37	29
14				35	40	41	44	49	51	62	70	60	48	32	31	41	46	52	52	54	49	46	43	42	41	41	41	46	0	7 41	72	11 12	28	44
15				41	39	37	37	41	45	51	52	49	48	48	42	39	41	43	41	39	38	40	39	40	40	41	41	42	0	7 50	59	12 33	37	22
16	✓			42	43	44	45	48	49	57	58	53	51	49	49	49	51	49	42	38	36	35	34	36	39	41	41	45	0	6 43	59	17 36	33	26
17				42	42	43	44	48	49	47	43	39	(39	43)	48	47	47	51	48	46	42	42	(40	41)	41	41	41	44	0	14 45	54	[8 56	38	16]
18	✓	✓		41	41	41	43	46	47	44	38	33	30	33	39	40	42	45	47	48	42	38	(37)	39	39	39	38	40	0	16 26	49	9 34	29	20
19				39	39	40	40	44	46	49	52	49	44	42	49	61	57	53	49	39	33	34	37	38	38	38	38	44	0	12 32	67	17 39	30	37
20				39	41	43	45	49	51	54	48	39	25	19	22	33	47	49	48	44	42	38	(37)	39	39	40	41	40	0	6 37	57	11 00	18	39
21	✓	✓		41	42	44	45	48	51	52	49	41	38	39	48	62	69	69	59	43	35	35	36	37	38	38	38	46	0	14 25	71	17 49	32	39
22				39	39	40	44	49	52	57	50	38	28	28	39	54	59	56	49	39	36	38	39	39	39	39	39	43	0	13 39	59	9 55	22	37
23				39	39	41	45	48	49	52	48	36	28	30	40	49	52	54	49	46	40	38	35	36	37	38	37	42	0	14 25	57	9 39	25	32
24			✓	38	38	39	43	47	47	41	39	29	32	33	42	51	58	55	48	38	34	39	38	38	39	39	40	41	1	13 47	61	8 29	25	36
25				41	42	43	44	47	50	51	50	47	41	50	55	62	64	61	51	44	40	38	37	37	38	39	41	46	0	13 32	66	18 18	36	30
26				39	39	39	40	42	44	51	49	37	29	18	19	33	44	48	48	42	37	36	36	37	38	38	39	38	0	6 48	55	10 55	13	42
27				39	39	39	40	44	49	59	59	49	42	41	41	49	56	58	50	39	31	33	37	37	38	38	40	44	0	7 06	61	17 29	30	31
28	✓	✓		39	39	39	41	44	48	52	54	45	37	34	34	41	47	47	49	47	41	39	38	39	39	39	39	42	0	7 40	56	10 50	33	23
29	✓	✓		39	39	40	41	43	47	55	61	61	53	38	29	34	47	51	52	49	39	37	37	37	37	39	39	44	0	7 57	63	11 37	28	35
30	✓			39	38	38	39	43	49	58	54	43	34	29	30	39	39	39	38	37	33	36	37	38	38	38	37	39	0	7 35	59	10 33	28	31
31				37	36	37	38	42	47	48	51	50	50	53	52	52	62	62	58	45	37	36	37	38	38	37	37	45	0	13 42	68	18 18	34	34
MEANS ALL DAYS				40	41	42	43	47	49	54	54	47	41	38	41	49	53	52	48	43	38	38	38	39	39	40	40	44						34
MEANS TEN DAYS ✲				41	42	42	44	47	51	56	56	47	38	34	35	42	48	48	46	44	37	36	37	38	39	40	40	43						35
MEANS FIVE DAYS † (G. M. T.)				40	41	42	43	46	49	51	49	42	36	33	37	46	52	53	52	48	39	37 37	37 37	38	39	39	40	43						
MEANS FIVE DAYS ‡ (G. M. T.)				40	42	42	43	48	48	50	52	49	46	46	51	60	61	54	45	40	39	40	38	38	39	40	39	45						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z̄ = NO RECORD

TABLE 78

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1923

SEPTEMBER 1923

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				36	39	41	43	43	45	47	48	41	35	28	33	37	40	50	54	45	36	37	37	37	37	37	37	40	0	15	26	10	37	28
2				38	38	38	38	40	41	40	38	33	28	24	28	37	43	51	48	41	33	34	36	35	37	38	37	37	0	14	26	10	16	32
3				37	38	40	43	46	48	54	50	43	38	31	28	27	29	41	48	39	27	30	32	34	35	36	36	38	1	6	48	17	36	32
4	✓			37	37	38	39	41	43	46	41	38	37	31	37	40	45	43	41	41	38	37	36	37	37	37	37	39	0	6	56	10	40	30	18
5				37	38	38	39	41	41	39	31	22	17	20	38	58	66	65	61	48	40	37	36	36	36	36	36	40	0	13	41	9	43	11	56
6	✓			36	37	37	39	43	48	56	42	28	18	15	20	30	45	55	49	38	31	32	35	36	36	36	36	37	0	14	36	10	19	14	44
7	✓	✓		37	37	37	38	43	50	57	51	38	30	34	40	47	58	67	55	38	34	32	33	33	34	35	35	41	0	14	28	9	32	28	40
8	✓	✓		36	37	37	38	40	41	41	30	20	14	11	12	28	41	47	47	40	33	42	34	34	35	35	36	34	0	14	28	10	15	10	38
9			✓	37	37	37	38	42	47	57	57	47	30	19	16	24	34	36	37	35	31	34	33	36	37	36	34	36	1	6	50	11	22	15	43
10			✓	36	37	38	45	48	52	58	58	51	48	41	45	48	56	50	44	32	33	37	36	36	36	36	36	43	1	6	55	16	55	28	34
11				35	36	37	38	38	45	53	58	55	49	38	32	37	37	38	38	40	40	39	37	37	38	38	37	40	0	7	30	11	40	30	33
12	✓			38	37	37	38	42	48	56	61	67	63	57	57	65	60	48	42	37	35	36	37	37	37	37	37	46	0	8	40	17	08	32	36
13				36	37	39	39	42	46	51	53	52	48	42	44	57	60	51	43	38	37	39	38	38	37	37	37	43	0	13	04	17	26	36	29
14				37	37	39	40	45	50	59	59	52	48	41	44	54	58	57	56	50	42	39	38	38	38	37	32	45	1	6	46	23	44	31	29
15				32	37	38	39	43	48	53	52	48	44	43	42	55	61	51	41	34	33	36	(36)	36	37	37	37	42	0	13	33	17	07	32	30
16	✓	✓		36	38	39	41	35	46	48	52	50	48	49	51	49	68	49	32	31	31	35	36	36	36	36	37	42	0	13	17	15	53	29	40
17				37	39	40	40	41	43	45	48	47	40	41	47	41	44	37	31	30	32	36	(38)	38	38	38	37	40	0	7	39	16	36	29	20
18				36	37	38	39	41	41	42	37	31	23	32	47	49	47	43	38	33	31	32	35	36	37	37	37	37	1	12	37	9	27	22	30
19	✓			37	38	38	38	40	41	38	32	28	28	30	36	42	45	48	50	50	42	38	37	37	37	37	36	38	0	15	37	8	21	27	24
20	✓			36	36	36	36	38	40	42	43	41	37	28	16	30	40	51	54	45	37	37	35	36	36	35	34	37	0	14	53	11	53	13	43
21	✓	✓		34	34	34	35	35	38	46	42	40	38	32	32	40	48	48	42	34	33	37	36	35	34	33	32	37	0	13	54	11	05	30	20
22	✓	✓		33	33	33	33	39	47	56	56	52	46	42	42	51	54	48	42	35	32	33	33	35	35	35	33	41	0	6	43	17	22	31	26
23				33	34	35	37	39	43	37	38	48	48	50	50	57	58	50	47	41	33	32	34	34	34	33	31	41	1	13	10	17	53	30	31
24				32	34	37	39	41	42	42	36	28	22	22	30	39	46	49	44	37	33	34	36	37	37	37	37	36	1	14	13	10	00	20	31
25				37	37	37	38	40	42	38	34	30	30	32	41	48	51	51	47	39	31	32	33	33	34	35	32	38	0	14	40	17	52	29	23
26			✓	28	25	29	33	39	38	34	31	28	30	37	37	42	42	47	41	38	36	42	47	36	37	33	39	36	1	14	14	8	16	27	22
27			✓	29	31	40	44	38	34	42	56	63	58	51	53	57	58	52	50	48	45	51	54	48	42	43	43	47	2	8	30	0	49	19	47
28			✓	40	40	40	40	40	41	47	51	58	60	62	68	66	55	43	42	43	41	41	41	41	41	40	39	47	1	11	43	17	35	38	33
29				39	39	38	38	39	42	40	39	40	46	58	74	79	62	50	39	31	31	37	39	40	42	38	37	44	1	12	20	17	12	29	51
30				37	38	39	39	39	39	30	29	29	36	45	57	63	57	49	43	31	31	35	38	38	39	40	41	40	1	11	50	8	23	28	38
31																																			
MEANS ALL DAYS				36	36	37	39	41	44	46	45	42	38	36	40	47	50	49	45	39	35	36	37	37	37	37	36	40							33
MEANS TEN DAYS ✻				36	36	37	38	40	44	49	45	40	36	33	34	42	50	50	45	39	35	36	35	36	36	36	35	39							33
MEANS FIVE DAYS † (G. M. T.)				35	36	36	37	38	44	50	46	40	35	34	35	43	54	52	44	36	33	35 36	35 34	35	35	35	35	39							
MEANS FIVE DAYS ‡ (G. M. T.)				34	34	37	40	41	42	48	51	49	45	42	44	47	49	46	43	39	37	41	40	37	37	36	37	42							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
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[] = APPROXIMATE, MAGNETIC STORM
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△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 79

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1923

OCTOBER 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				39	38	42	42	39	36	27	27	30	36	44	58	65	65	58	48	40	32	32	36	37	37	37	37	41	0	12	17 67	7	03 25	42
2	✓	✓		37	36	36	37	37	35	28	24	21	21	28	47	68	72	66	49	39	34	35	36	36	36	36	36	39	0	13	04 76	9	03 20	56
3	✓	✓		36	36	37	37	38	34	19	9	2	3	13	35	49	54	51	47	45	40	36	35	35	36	37	37	33	0	13	08 56	9	00 0	56
4				38	37	37	37	39	41	40	35	30	27	28	42	67	67	55	42	31	32	35	35	36	36	33	33	39	0	12	57 75	9	48 25	50
5				32	34	36	37	37	37	32	26	20	22	30	37	36	41	37	27	27	30	36	37	36	36	36	36	33	0	13	49 47	8	55 17	30
6				36	34	35	35	35	37	39	41	46	49	57	59	58	57	55	49	40	37	39	37	36	36	35	34	42	1	10	54 65	1	17 32	33
7				31	31	32	33	37	36	29	29	39	47	48	52	56	52	45	39	39	37	38	37	36	35	33	33	38	0	12	08 57	7	18 28	29
8				33	32	32	33	34	33	29	31	31	32	37	40	49	49	46	37	30	33	37	37	38	37	37	36	36	1	12	03 52	9	19 28	24
9	✓			36	35	35	35	36	37	38	40	47	51	57	60	59	56	52	47	39	37	37	37	36	36	36	36	42	0	11	28 62	1	05 34	28
10				36	35	33	31	30	29	29	37	34	36	36	52	54	50	46	35	27	31	37	39	38	38	39	33	37	1	12	23 57	24	00 22	35
11				20	27	31	33	35	36	36	35	35	37	39	45	46	46	46	42	34	34	38	39	39	39	37	36	37	1	12	25 47	0	44 19	28
12	✓			35	33	32	31	35	34	31	36	36	36	39	42	40	36	35	29	27	35	41	40	38	37	36	35	35	0	12	06 44	16	09 26	18
13	✓			34	33	32	33	35	36	38	48	56	48	54	58	50	44	43	43	38	37	38	38	37	37	36	36	41	0	11	29 59	3	06 31	28
14				35	34	34	33	35	37	38	39	39	41	46	47	43	48	49	47	45	40	41	40	39	39	37	35	40	0	14	20 51	3	30 32	19
15			✓	29	26	26	23	25	32	29	35	32	33	37	43	29	30	44	40	37	46	49	42	42	41	32	40	35	2	17	48 55	1	56 17	38
16			✓	34	34	34	33	22	29	29	29	34	45	60	76	89	90	90	79	66	56	49	42	41	41	38	37	49	2	13	05 93	4	40 18	75
17			✓	37	36	37	40	45	46	46	43	37	26	27	32	43	52	59	55	46	38	38	(39)	39	41	41	39	41	2	14	42 60	10	03 22	38
18			✓	37	34	37	39	37	37	31	27	26	27	30	44	49	56	64	67	47	35	36	(39)	38	38	36	35	39	1	15	47 73	8	08 20	53
19			✓	35	35	35	35	34	34	28	20	20	21	27	35	40	50	56	49	34	32	32	37	37	37	38	37	35	1	14	18 57	7	28 16	41
20				36	37	34	33	38	37	26	22	23	22	26	36	48	51	51	47	39	37	36	37	37	37	37	35	36	1	13	43 54	9	51 17	37
21				33	32	31	32	35	34	21	15	8	9	24	40	46	59	65	54	40	37	37	37	37	37	37	35	35	0	14	00 69	8	52 6	63
22				35	34	33	34	37	37	28	20	16	15	19	23	29	44	47	38	29	28	29	36	36	35	35	35	31	0	14	03 49	9	22 12	37
23	✓	✓		36	34	35	34	37	35	27	21	17	15	21	37	50	57	55	43	27	24	28	35	36	36	36	35	34	1	13	42 58	9	34 11	47
24	✓	✓		35	33	35	36	37	36	29	23	19	20	30	36	56	59	57	40	26	25	29	34	34	34	34	34	35	0	14	00 61	9	10 17	44
25	✓			31	30	29	30	32	29	21	20	26	31	37	41	47	43	45	42	33	30	37	39	38	38	36	37	34	0	12	38 49	7	07 18	31
26				32	32	31	33	35	32	25	26	35	37	44	53	59	51	27	30	35	36	36	37	37	37	37	35	36	0	12	18 60	6	52 21	39
27				28	26	23	22	32	31	29	34	37	46	57	64	57	57	57	47	39	37	36	36	35	34	33	32	39	1	11	22 69	3	25 17	52
28				32	31	32	31	35	35	32	34	35	35	39	46	47	48	50	46	36	30	31	33	34	36	35	31	36	1	14	13 52	17	21 29	23
29	✓			34	33	29	34	36	37	33	34	34	34	36	38	37	39	41	39	37	36	35	34	34	34	34	33	35	0	14	10 42	2	37 28	14
30	✓	✓		30	30	29	32	34	33	26	19	13	17	25	32	37	46	50	45	35	29	30	35	35	35	35	32	32	0	14	09 52	8	36 10	42
31				32	33	33	32	33	32	28	27	25	30	37	41	42	44	43	38	30	30	35	37	37	37	35	31	34	1	14	00 47	8	26 21	26
MEANS ALL DAYS				34	33	33	34	35	35	30	29	29	31	37	45	50	52	51	45	37	35	36	37	37	37	36	35	37						38
MEANS TEN DAYS ✲				34	33	33	34	36	35	29	27	27	28	34	43	49	51	50	42	35	33	35	36	36	36	36	35	36						36
MEANS FIVE DAYS † (G. M. T.)				35	34	34	35	37	35	26	19	14	15	23	37	52	58	56	45	34	30	32 32	35 35	36	36	36	35	35						
MEANS FIVE DAYS ‡ (G. M. T.)				34	33	34	34	33	36	33	31	30	30	36	46	50	56	63	58	46	41	41	40	40	40	37	37	40						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 80

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1923

NOVEMBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				29	29	29	29	30	29	19	15	11	18	28	38	37	35	37	35	35	36	36	36	35	33	29	26	30	1	12	00	46	8 37	10	36
2			✓	22	12	9	17	25	27	30	38	49	64	75	86	77	64	56	47	45	44	44	33	35	39	35	29	42	1	11	28	90	2 24	7	83
3				21	23	24	24	30	31	27	29	37	42	47	53	49	47	50	49	45	41	37	36	37	37	36	33	37	1	11	45	56	0 55	18	38
4	✓			33	27	26	27	28	27	24	26	29	37	43	42	42	43	46	43	35	30	35	33	35	37	36	34	34	0	14	38	47	6 28	23	24
5	✓	✓		30	30	29	29	29	27	25	32	46	57	63	63	55	45	38	33	28	29	35	35	35	35	34	33	37	0	10	39	65	6 05	21	44
6	✓			29	28	27	28	29	25	17	23	36	48	60	66	61	53	40	27	19	23	29	33	33	35	34	32	35	0	11	31	67	6 42	16	51
7				31	30	29	29	30	26	18	22	36	47	54	59	54	53	53	44	32	30	36	36	35	34	33	30	37	1	11	41	66	6 25	16	50
8	✓			29	28	26	27	29	26	19	26	36	49	62	68	67	67	62	49	36	29	31	33	32	31	31	29	38	0	12	00	70	6 13	17	53
9	✓			26	26	27	28	28	24	17	23	29	37	40	38	29	26	27	28	32	36	37	36	36	35	34	29	30	0	10	00	40	6 21	16	24
10	✓	✓		27	25	25	26	27	22	17	21	32	39	47	54	53	42	35	30	29	31	35	37	37	36	35	33	33	0	11	25	55	6 31	16	39
11	✓			29	27	27	27	25	19	11	15	29	49	69	79	79	76	61	42	27	26	30	35	33	31	29	27	38	0	11	50	82	6 32	10	72
12			✓	26	26	26	26	26	23	17	16	17	25	41	57	56	43	37	30	27	27	36	39	38	35	30	28	31	1	11	53	63	7 11	14	49
13				27	25	23	21	29	29	23	27	36	41	48	47	41	45	41	36	39	44	44	40	37	34	32	30	35	1	10	36	49	6 47	21	28
14				28	27	27	27	29	30	32	39	49	49	46	44	39	35	35	30	32	35	35	33	32	32	30	28	34	0	9	25	53	1 42	26	27
15	✓	✓		27	26	25	25	27	26	23	28	37	47	48	52	49	49	49	46	39	35	33	31	32	32	32	29	35	0	11	57	53	6 28	20	33
16				27	25	23	23	25	17	9	10	19	26	33	42	51	49	47	43	38	35	38	38	37	35	34	33	32	1	12	18	55	6 34	8	47
17				29	29	27	27	27	22	18	20	25	27	30	42	46	37	33	32	30	33	37	(37)	35	34	32	30	31	1	11	47	47	6 20	17	30
18				26	26	26	26	26	23	16	8	13	17	24	30	25	15	19	17	17	28	36	(35)	33	33	32	30	24	0	18	14	36	7 52	7	29
19				29	28	28	28	29	23	13	9	18	28	39	58	57	56	43	36	29	28	33	32	31	31	30	29	32	1	13	13	59	7 10	8	51
20	✓	✓		28	27	27	27	27	22	18	27	40	50	54	60	52	47	41	35	29	28	29	32	33	34	33	31	35	0	11	14	63	6 16	17	46
21				29	27	27	26	25	17	5	10	20	27	27	30	31	22	15	17	18	22	28	31	33	32	32	31	24	1	11	57	47	14 30	4	43
22			✓	30	30	29	27	26	17	11	17	25	28	33	38	32	26	17	20	⧖		⧖	40	41	39	38	36		1	11	22	41	6 20	10	31
23				34	30	29	29	28	24	16	17	23	34	46	49	44	30	20	16	15	21	28	32	32	32	32	32	29	0	11	38	52	6 41	15	37
24				30	29	28	28	29	26	17	21	29	46	57	74	73	65	50	⧖			⧖	29	29	30	30	28		0	11	51	77	6 59	16	61
25		✓		27	27	26	26	27	20	16	24	37	46	55	69	⧖	⧖	34	24	20	26	30	30	30	29	29	28		0	11	52	77	6 26	15	62
26	✓			27	26	24	22	21	20	25	37	50	58	63	57	38	24	19	17	14	20	29	32	36	36	35	33	32	0	10	34	64	16 20	11	53
27			✓	29	26	19	17	18	18	18	26	27	39	42	50	52	47	44	51	45	42	38	37	38	37	35	31	34	1	11	53	58	6 16	17	41
28				26	22	17	14	14	16	16	26	41	49	58	67	64	47	(35 | 34)	36	39	43	45	45	38	30	29	35	1	11	56	70	4 25	12	58
29			✓	23	19	19	21	24	24	22	34	42	52	55	59	49	44	35	26	23	27	30	35	35	31	30	29	33	1	11	24	64	6 18	17	47
30				27	26	24	19	21	19	17	26	39	57	66	74	67	57	49	39	27	26	29	33	32	30	29	29	36	0	11	22	77	6 05	14	63
31																																		
MEANS ALL DAYS a)				28	26	25	25	26	24	19	23	32	41	48	54	51	44	40	35	30	31	34	35	35	34	32	30	33							a) 44
MEANS TEN DAYS ✲				28	27	26	27	27	24	20	26	36	47	55	58	52	47	42	35	29	29	32	34	34	34	33	31	35							44
MEANS FOUR DAYS (G. M. T.) b) †				28	27	26	27	28	24	21	27	39	48	53	57	52	46	41	36	31	31	35 33	34 34	34	34	32	30	35							
MEANS FOUR DAYS (G. M. T.) c) ‡				25	21	18	20	23	23	22	28	34	45	53	63	58	50	43	38	35	35	37	37	37	34	31	29	35							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

a) Twenty-seven days only, omitting incomplete days November 22, 24 and 25

b) Omitting incomplete Greenwich day November 25

c) Omitting incomplete Greenwich day November 22

TABLE 81

DECLINATION

8° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1923

DECEMBER 1923

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				27	26	25	24	26	24	23	26	33	37	48	49	44	28	20	18	23	27	31	32	30	28	28	27	29	1	11 10	53	15 22	16	37
2	✓	✓		26	26	26	26	26	24	20	23	31	38	47	55	56	48	38	41	38	29	28	29	29	27	27	26	33	0	12 18	58	7 07	19	39
3				26	26	25	25	23	16	12	20	36	49	50	50	43	32	26	25	19	26	31	32	31	19	17	15	28	1	11 04	57	6 12	9	48
4				19	17	15	12	14	14	17	25	37	46	55	64	65	57	49	35	26	27	31	20	22	22	22	30	31	1	11 43	67	3 00	10	57
5				28	27	27	27	26	19	17	18	25	34	37	37	37	27	23	27	29	29	30	30	31	30	28	27	28	1	12 29	39	6 24	15	24
6	✓			26	26	27	27	27	18	12	20	34	47	57	67	67	54	38	35	34	32	33	35	31	29	27	26	35	0	12 00	71	6 23	10	61
7	✓	✓		25	26	26	26	25	17	11	20	34	39	48	50	47	39	35	39	37	29	30	35	31	29	28	25	31	1	11 37	53	6 15	9	44
8				21	18	20	22	25	21	17	22	32	42	51	50	34	25	22	28	32	31	31	29	29	27	28	26	28	0	11 06	56	6 14	15	41
9				25	24	22	22	24	22	15	26	43	44	46	46	37	31	30	28	24	24	34	36	37	35	32	28	31	1	11 00	50	6 24	14	36
10				23	23	22	20	24	19	7	8	16	27	36	46	43	35	31	28	26	29	36	39	38	35	29	26	28	0	11 38	47	7 00	6	41
11	✓			22	22	22	23	25	20	12	15	25	36	49	56	54	40	32	29	25	26	29	32	31	28	25	23	29	0	12 03	57	6 44	11	46
12	✓			21	20	19	19	21	18	9	14	26	37	46	55	56	37	31	31	26	26	30	32	31	28	26	21	28	0	12 23	59	6 52	7	52
13				18	17	18	18	16	14	8	13	31	51	65	69	58	39	28	20	18	24	33	35	34	33	31	29	30	1	11 32	73	6 20	7	66
14				28	24	24	23	24	17	14	25	40	49	59	61	55	46	39	34	25	20	26	28	28	28	28	27	32	1	11 52	64	6 06	11	53
15				26	25	24	24	23	21	13	15	28	43	47	48	46	45	43	36	28	27	32	34	32	29	28	26	31	1	10 54	52	6 52	11	41
16	✓			25	25	25	25	26	23	6	10	24	28	33	38	33	32	25	16	8	13	25	30	30	30	29	28	24	0	11 14	40	6 53	5	35
17	✓	✓		26	25	24	23	21	18	9	8	16	25	39	54	51	41	33	29	24	25	28	(31)	31	29	28	27	28	0	11 57	56	7 00	6	50
18				26	26	25	25	22	17	6	8	19	30	45	50	48	45	34	20	18	21	27	(33)	33	33	33	30	28	0	12 00	51	6 51	5	46
19				26	25	21	17	18	14	0	4	17	26	38	49	55	48	38	32	28	26	29	34	33	30	27	27	28	1	12 15	56	6 45	−2	58
20				26	22	21	20	21	16	9	14	22	31	37	46	44	42	34	29	28	26	28	31	33	31	29	28	28	0	11 47	47	6 33	7	40
21	✓	✓		26	25	23	24	22	19	13	16	26	28	40	54	68	66	49	46	34	24	26	29	29	28	28	27	32	0	13 06	77	6 5	12	65
22	✓	✓		26	25	23	20	22	16	9	18	34	36	38	46	55	47	37	29	26	25	28	31	30	30	29	26	29	0	12 54	56	6 21	8	48
23			✓	25	24	23	22	24	20	15	17	25	26	34	45	50	51	46	28	25	25	28	34	35	32	29	26	30	1	13 25	56	6 45	14	42
24			✓	22	17	14	16	18	18	18	32	44	38	41	47	37	26	28	28	30	34	37	38	36	32	26	25	29	1	11 50	55	6 19	13	42
25			✓	23	21	20	20	21	18	9	16	30	36	46	56	46	36	45	49	46	39	38	36	34	32	27	26	32	1	11 15	58	6 52	8	50
26			✓	23	21	18	16	11	5	6	9	25	43	58	67	68	56	58	53	39	34	33	39	36	34	30	26	34	2	12 13	75	5 16	3	72
27			✓	24	19	18	18	19	18	18	25	27	25	36	46	44	36	36	36	29	26	30	35	34	33	30	26	29	1	12 01	48	6 07	16	32
28				25	21	19	21	23	19	16	22	26	31	44	52	46	30	17	17	19	23	27	33	30	29	28	27	27	0	11 38	55	6 00	13	42
29				25	22	21	22	25	19	16	30	38	44	48	55	54	43	36	36	30	26	27	28	28	28	27	26	31	0	11 31	59	6 14	14	45
30				25	24	24	23	23	22	16	16	20	26	35	41	48	41	27	20	21	24	26	29	30	27	18	21	26	0	12 15	50	6 46	14	36
31	✓			21	23	25	25	26	25	21	24	36	48	61	66	64	48	44	38	28	22	24	26	26	25	25	25	33	0	12 13	70	6 21	18	52
MEANS ALL DAYS				24	23	22	22	22	18	13	18	29	37	46	52	50	41	35	31	27	26	30	32	31	29	27	26	30						46
MEANS TEN DAYS ✲				24	24	24	24	24	20	12	17	29	36	46	54	55	45	36	33	28	25	28	31	30	28	27	25	30						49
MEANS FIVE DAYS † (G. M. T.)				26	25	24	24	23	19	12	17	28	33	42	52	55	48	38	37	32	26	29 28	31 31	31	29	28	27	31						
MEANS FIVE DAYS ‡ (G. M. T.)				23	20	19	18	19	16	13	20	30	34	43	52	49	41	43	39	34	32	33	36	34	32	28	26	31						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 82

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1923

JANUARY 1923

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓			717	718	719	719	717	722	726	723	731	746	765	788	811	805	796	775	765	752	736	732	731	729	728	730	745	0	14	19	818	0	36	716	102
2				730	730	731	732	736	740	756	772	793	814	797	775	734	680	669	674	699	721	727	723	720	714	721	721	734	0	9	45	822	15	08	659	163
3	✓			718	718	718	719	721	727	743	758	784	816	799	788	763	752	736	740	739	740	734	733	729	726	724	725	744	0	10	14	823	0	35	716	107
4				722	722	718	725	725	734	742	747	779	823	845	843	833	777	726	692	690	701	719	728	713	706	698	706	742	0	10	30	857	15	21	677	180
5				712	716	718	720	719	728	734	750	778	812	829	825	812	765	734	711	709	714	722	720	718	721	725	724	742	0	10	51	838	16	02	706	132
6				725	727	730	726	725	729	734	741	770	803	816	805	771	736	706	667	672	704	722	719	715	716	715	717	733	0	10	05	843	15	34	655	188
7	✓	✓		718	716	718	720	723	728	740	753	784	814	828	820	783	736	694	678	690	712	721	721	721	720	720	721	737	0	10	49	833	15	24	676	157
8	✓	✓		723	722	723	723	724	725	725	732	758	786	803	802	782	735	694	680	697	718	736	735	733	734	736	737	736	0	10	48	809	15	30	677	132
9				739	740	738	734	733	733	739	755	783	819	841	830	827	802	771	757	729	723	729	736	735	730	724	727	757	0	10	59	875	24	00	720	155
10				722	721	721	724	725	730	735	749	775	812	832	836	804	750	705	689	701	716	729	729	727	728	727	727	742	0	11	24	843	15	21	687	156
11				724	725	722	718	718	719	725	736	756	781	782	768	746	727	721	720	725	729	727	728	728	727	728	729	734	0	10	00	792	3	47	715	77
12				727	723	721	724	728	733	743	763	795	825	860	858	817	770	734	712	713	724	730	730	727	729	730	737	752	0	11	04	869	15	55	708	161
13			✓	729	722	728	737	745	744	748	766	791	803	812	786	757	742	724	699	676	700	721	729	723	719	717	719	739	1	10	23	826	16	04	670	156
14				719	717	717	718	720	725	737	751	775	798	813	802	779	740	706	699	700	710	719	721	721	725	726	724	736	0	10	10	823	15	11	691	132
15				725	726	725	725	731	741	757	769	794	803	775	721	685	679	697	715	730	735	729	725	727	727	731	734	734	0	9	24	812	12	58	669	143
16				736	732	726	726	727	737	757	781	809	826	814	780	743	716	702	717	731	735	732	729	727	730	730	730	745	0	9	48	836	14	26	687	149
17				731	729	726	725	726	734	761	790	827	840	820	770	710	661	653	680	728	749	749	743	739	736	733	734	741	1	9	55	855	14	33	649	206
18	✓	✓		732	730	729	731	736	739	751	774	814	839	831	799	769	747	729	724	732	737	735	733	731	728	726	728	751	0	9	48	845	15	48	720	125
19	✓	✓		729	731	729	727	729	732	751	784	843	882	886	857	789	701	655	670	711	734	742	741	740	740	747	747	754	1	9	58	896	14	24	649	247
20			✓	744	743	742	752	759	759	789	833	847	902	871	860	813	692	645	662	694	698	685	707	706	711	710	716	752	2	9	38	960	14	43	628	332
21			✓	719	710	710	713	718	723	733	755	796	833	860	805	747	677	653	671	694	712	714	722	721	718	718	711	731	1	10	27	886	14	20	643	243
22				705	714	722	718	712	717	728	758	801	851	876	880	857	794	730	673	663	691	712	724	728	722	721	723	747	1	10	40	889	16	16	652	237
23				723	723	721	718	717	720	715	731	772	821	841	836	780	715	666	668	689	712	722	721	720	717	718	723	733	1	10	27	854	15	08	657	197
24				720	715	718	720	720	720	718	727	772	819	858	871	860	815	779	739	718	716	716	717	719	718	715	717	750	0	11	49	880	16	50	710	170
25	✓			717	716	717	718	719	716	716	728	771	809	844	856	848	815	789	761	744	728	725	724	723	722	718	722	752	0	12	12	861	6	45	713	148
26	✓			724	726	728	723	720	722	728	742	765	806	846	855	841	811	778	754	734	723	723	723	722	723	723	723	753	0	11	17	859	4	41	718	141
27	✓	✓		723	723	722	721	722	726	729	737	766	794	813	829	836	830	811	778	744	727	721	721	723	725	723	724	753	0	12	58	842	3	48	719	123
28	✓			725	726	724	721	725	727	732	746	768	792	804	811	807	789	776	756	742	732	730	731	733	734	732	741	750	0	12	13	818	3	47	719	99
29			✓	737	743	743	735	731	733	742	759	762	792	779	781	780	758	768	758	738	730	718	(714	712)	713	711	713	744	1	9	42	827	[20	57	703	124
30			✓	710	714	725	722	720	725	733	748	766	807	787	819	774	782	771	754	736	726	720	718	717	722	722	724	743	1	11	07	840	0	47	704	136
31				725	722	717	720	720	722	733	747	772	801	813	795	774	742	722	724	723	722	717	(714	719)	721	724	724	738	0	10	37	825	[19	03	713	112
MEANS ALL DAYS				724	724	724	724	726	729	739	755	784	815	824	815	788	750	724	713	715	722	725	726	724	724	723	725	743								159
MEANS TEN DAYS ✱				723	723	723	722	724	726	734	748	778	808	822	820	803	772	746	732	730	730	730	729	729	728	728	730	747								138
MEANS FIVE DAYS † (G. M. T.)				725	724	724	724	727	730	739	756	793	823	832	821	792	750	717	706	715	726	730 731	728 730	726	725	723	725	745								
MEANS FIVE DAYS ‡ (G. M. T.)				728	726	730	732	735	737	749	772	792	827	822	810	774	730	712	709	708	713	712	725	724	725	726	731	744								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 83

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1923 FEBRUARY 1923

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				723	722	723	724	723	726	737	766	786	807	804	774	744	724	720	728	724	720	709	721	729	731	729	725	738	0	10 10	828	14 02	692	136
2				724	722	722	723	724	731	743	762	787	809	812	803	769	718	668	676	698	716	723	720	719	720	721	720	735	1	10 18	823	14 37	660	163
3				720	718	716	716	718	718	728	736	□											□	675	679	690	694		0					
4	✓			705	704	705	705	711	718	730	755	798	847	880	875	840	780	717	688	692	703	713	712	710	713	714	713	743	1	11 18	889	15 29	677	212
5	✓			723	723	719	722	724	727	734	750	789	827	853	847	845	813	778	736	709	705	720	731	731	733	738	735	755	0	10 40	878	17 04	701	177
6				727	724	725	731	735	737	734	740	770	809	835	842	841	816	774	728	705	720	725	725	726	727	727	725	752	0	12 10	853	16 12	700	153
7				725	728	728	729	729	732	724	714	737	771	799	792	797	788	776	744	728	715	712	709	707	710	713	718	739	0	10 19	815	20 40	704	111
8				715	729	722	718	720	725	714	693	707	731	779	805	812	815	795	775	757	737	726	724	723	721	720	721	741	0	13 35	823	7 40	681	142
9	✓	✓		718	717	719	721	725	728	723	723	746	774	798	816	819	813	811	794	766	738	729	727	720	716	719	711	749	0	11 32	833	23 58	710	123
10				712	714	713	716	723	720	712	709	710	719	750	768	781	771	754	745	725	720	719	712	710	709	716	716	727	1	12 21	819	8 19	694	125
11				714	718	718	718	722	731	735	740	755	757	771	774	774	776	774	773	763	743	725	720	718	717	715	717	740	0	13 04	789	0 14	712	77
12	✓	✓		722	722	722	720	723	726	732	736	747	759	745	745	755	757	762	758	743	731	727	725	726	726	721	717	735	1	14 02	769	23 52	714	55
13	✓	✓		716	716	720	721	723	729	739	757	775	794	791	793	787	771	760	756	745	743	739	733	730	731	727	725	747	1	9 50	810	0 00	716	94
14				722	724	725	726	730	733	741	757	787	811	825	838	842	818	794	761	741	718	714	721	722	722	721	720	755	0	12 40	857	18 05	709	148
15				722	723	725	723	725	727	728	735	756	777	783	781	765	762	746	748	744	733	727	725	725	727	731	731	740	1	11 40	790	0 00	720	70
16				729	733	738	746	747	745	751	777	818	834	872	851	810	792	746	729	718	720	723	722	722	722	719	719	758	1	10 49	937	15 56	713	224
17			✓	714	724	726	723	720	720	721	732	770	804	842	846	808	756	659	667	682	708	717	715	717	717	714	708	734	1	11 28	867	14 48	625	242
18				711	727	714	718	717	724	725	743	777	814	835	831	815	788	760	740	725	718	720	721	720	720	720	720	746	1	10 40	844	0 45	704	140
19				721	723	721	721	721	725	722	727	756	803	819	818	819	793	766	743	728	723	719	723	724	722	721	716	745	0	12 10	831	18 15	715	116
20	✓			718	719	727	729	729	728	718	710	732	785	814	817	813	792	771	750	738	731	726	722	723	723	722	721	744	0	10 48	830	7 21	702	128
21	✓	✓		724	723	723	725	727	729	723	730	773	827	866	881	870	835	796	767	741	727	717	711	704	702	704	707	756	0	11 39	892	21 37	699	193
22	✓			707	709	713	717	720	721	718	720	748	792	822	832	822	791	759	743	733	727	722	719	721	723	722	722	743	0	11 43	834	0 19	704	130
23	✓	✓		723	725	725	726	728	730	731	739	770	803	840	858	867	857	832	803	769	740	727	721	718	720	721	721	762	0	12 25	869	20 32	715	154
24	✓			719	723	725	728	730	730	724	721	747	771	790	810	825	830	808	796	774	749	741	736	717	712	710	709	751	0	13 12	834	22 37	690	144
25			✓	697	711	699	700	708	716	690	692	682	722	768	788	767	731	710	696	697	688	656	697	685	684	676	682	706	2	11 45	835	18 39	630	205
26			✓	687	692	690	701	703	705	703	691	718	748	757	776	771	757	739	727	715	711	704	(693	707)	700	704	707	717	2	9 55	814	7 10	674	140
27			✓	698	694	694	697	704	705	693	688	721	748	738	749	743	722	686	674	685	683	675	680	685	693	695	695	702	2	9 18	787	15 14	644	143
28			✓	693	700	704	704	705	709	713	724	749	782	795	789	745	750	741	739	726	700	691	(693	700)	701	701	700	723	1	10 42	804	18 53	685	119
29																																		
30																																		
31																																		
MEANS ALL DAYS a)				715	718	718	720	722	725	724	731	756	786	807	811	802	782	756	740	729	721	717	717	716	716	716	716	740						a) 138
MEANS TEN DAYS ✱				718	718	720	721	724	727	727	734	762	798	820	827	824	804	779	759	741	729	726	724	720	720	720	718	748						141
MEANS FIVE DAYS † (G. M. T.)				721	721	722	723	725	728	730	737	762	791	808	819	820	807	792	776	753	736	725 728	722 723	722	722	720	720	750						
MEANS FIVE DAYS ‡ (G. M. T.)				698	704	703	705	708	711	704	705	728	761	780	790	767	743	707	701	701	698	689	706	703	702	701	702	717						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 3

TABLE 84

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1923 — MARCH 1923

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				699	699	704	708	706	709	713	728	740	767	772	772	764	765	749	730	720	715	707	705	707	709	709	705	725	0	10 59	779	0 04	695	84
2				702	704	706	709	712	715	718	736	765	791	811	804	804	780	745	726	720	717	715	711	708	711	711	708	735	0	10 53	823	0 04	700	123
3				711	712	717	717	718	719	720	737	773	814	836	831	806	753	707	685	691	705	709	707	707	706	709	698	733	0	10 53	845	15 43	679	166
4				698	705	712	712	712	713	711	723	757	793	812	818	805	772	721	713	704	706	706	705	702	702	704	703	730	0	10 57	825	0 04	694	131
5	✓			704	711	712	713	715	715	710	721	765	818	856	871	852	812	768	739	719	715	717	720	720	719	717	716	747	0	11 39	876	0 03	704	172
6	✓			713	712	716	720	723	723	713	710	748	794	831	850	835	795	745	713	711	718	722	722	720	723	720	720	742	0	11 35	853	7 04	701	152
7				722	723	726	725	725	732	727	727	754	781	803	816	805	801	761	742	738	728	720	716	713	714	716	714	743	0	12 48	825	20 16	712	113
8		✓		716	718	718	717	720	722	709	696	719	755	785	811	826	819	792	758	729	721	723	727	725	723	721	719	740	0	12 45	830	7 21	692	138
9	✓	✓		720	723	729	732	734	735	720	702	726	770	806	828	832	819	793	764	742	731	727	727	725	721	723	718	748	0	12 05	834	7 40	693	141
10	✓	✓		718	718	721	724	726	728	724	731	761	796	819	828	823	804	785	767	751	741	733	732	728	726	724	726	751	0	11 53	835	1 11	716	119
11	✓	✓		727	728	732	736	737	739	737	742	775	801	810	817	818	799	779	762	752	744	734	729	727	724	722	719	754	0	12 12	824	23 59	717	107
12	✓			729	728	729	729	731	734	733	745	776	797	820	821	801	792	775	763	748	735	724	725	728	725	725	722	751	0	10 52	833	0 02	719	114
13	✓			721	720	721	720	728	735	735	755	788	819	832	832	802	765	737	728	728	728	724	722	722	721	722	723	747	0	10 41	844	0 43	718	126
14				724	725	724	725	728	730	732	753	790	822	845	839	826	800	765	748	721	691	705	716	717	718	720	719	749	0	10 37	858	17 46	677	181
15			✓	720	711	721	719	728	728	734	759	798	842	869	850	816	759	723	716	723	720	718	721	722	726	725	721	749	1	10 32	901	15 18	705	196
16				725	723	717	722	729	723	729	752	792	818	834	812	790	742	729	710	709	719	718	707	694	706	712	716	739	0	10 23	854	20 07	690	164
17				715	714	714	719	714	717	724	753	795	831	839	818	774	735	695	694	705	723	724	723	723	723	724	719	738	0	10 00	846	14 57	687	159
18				720	715	711	713	718	724	735	759	794	825	841	841	804	767	743	728	712	714	718	719	720	717	719	716	745	0	11 10	850	16 54	699	151
19	✓			736	718	717	721	721	720	721	746	787	824	848	844	812	774	736	716	712	719	723	721	720	720	719	720	746	0	10 25	861	16 15	710	151
20				719	722	722	722	726	726	726	749	792	843	869	879	841	801	776	751	729	724	725	727	722	726	728	724	757	0	11 05	887	17 32	717	170
21				725	724	725	728	729	721	715	721	766	815	838	846	839	819	781	740	702	691	693	687	680	689	694	697	740	0	11 36	848	20 32	679	169
22	✓			700	701	705	707	712	713	707	728	757	793	811	816	814	794	766	738	724	726	724	722	722	722	721	721	739	0	11 44	820	0 00	696	124
23	✓	✓		721	722	722	723	724	724	718	726	758	798	822	827	816	797	776	754	739	733	733	733	732	732	734	729	750	0	11 00	831	6 46	713	118
24			✓	732	731	734	736	725	725	706	683	696	733	830	853	783	678	701	696	632	625	623	629	648	609	645	668	701	2	10 12	880	22 05	601	279
25			✓	665	679	688	679	678	683	672	680	667	667	721	749	767	768	737	714	700	691	690	686	688	684	701	687	698	2	12 42	788	8 10	624	164
26			✓	682	681	699	699	692	687	691	760	729	758	785	775	783	764	739	726	706	693	692	(700	700)	684	681	692	717	1	10 03	816	1 25	676	140
27			✓	694	688	690	688	692	688	722	694	722	756	784	793	788	749	724	704	700	692	699	698	693	684	685	688	713	1	11 43	802	22 57	680	122
28				692	705	700	700	701	705	708	716	744	783	813	824	798	770	727	710	705	704	700	(697	695)	693	692	691	724	0	11 27	838	[20 58	690	148
29				691	696	699	699	702	706	711	728	759	798	831	830	817	792	753	729	704	689	695	695	696	695	695	696	729	0	11 00	838	17 14	687	151
30				688	689	697	696	704	710	712	731	764	788	816	829	812	775	736	714	700	693	690	695	695	693	691	692	725	0	11 39	833	0 53	686	147
31				694	695	700	704	707	712	720	743	778	816	841	844	819	771	736	715	711	710	705	699	698	699	703	709	735	0	11 02	852	0 00	692	160
MEANS ALL DAYS				710	711	714	715	717	718	718	730	759	794	820	825	809	778	748	729	716	712	711	710	710	708	710	710	737						148
MEANS TEN DAYS ✻				719	718	720	722	725	727	722	731	764	801	826	833	820	795	766	744	733	729	726	725	724	723	723	721	747						132
MEANS FIVE DAYS † (G. M. T.)				720	722	724	726	728	730	722	719	748	784	808	822	823	808	785	761	743	734	725 730	725 730	723	721	721	720	748						
MEANS FIVE DAYS ‡ (G. M. T.)				699	698	706	704	703	702	705	715	722	751	798	804	787	744	725	711	692	684	684	693	697	685	696	699	717						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 85

HORIZONTAL INTENSITY

APRIL 1923

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			707	707	707	709	711	717	727	754	802	843	871	865	836	782	738	709	711	716	714	707	706	705	709	705	744	0	11 21	874	23 59	702	172
2	✓	✓		704	706	707	709	714	716	716	737	782	831	871	889	876	824	768	729	715	716	718	715	720	726	724	719	751	0	11 28	892	0 13	704	188
3				721	721	720	723	724	724	721	736	783	835	874	886	860	803	753	717	709	718	723	719	716	714	714	716	751	0	11 36	894	16 21	706	188
4				716	718	722	724	722	723	715	727	773	832	872	893	886	826	768	729	707	709	721	719	717	718	720	722	753	0	12 06	903	17 16	703	200
5	✓	✓		720	720	723	724	725	721	716	725	756	796	831	846	824	784	749	731	724	723	722	719	719	718	716	714	744	0	11 15	850	23 22	712	138
6	✓			717	720	721	723	724	725	718	722	762	808	851	874	870	828	778	747	722	718	718	710	703	697	700	707	748	0	12 09	883	21 52	696	187
7				714	716	717	716	719	718	718	726	748	777	802	802	783	745	725	721	719	717	715	705	695	697	705	706	729	0	10 44	811	20 59	689	122
8				708	711	714	719	720	728	726	737	773	817	851	857	829	783	760	745	732	713	713	699	702	714	714	716	745	1	11 29	869	19 22	696	173
9				716	717	715	718	724	722	728	746	776	814	828	835	817	778	738	713	710	717	720	716	716	720	719	717	742	1	11 10	840	16 06	709	131
10				718	719	725	721	723	726	738	766	803	841	848	822	795	782	774	752	730	713	707	708	719	722	721	718	750	1	10 05	864	18 43	695	169
11				716	718	722	713	717	725	730	738	768	804	826	828	807	786	753	733	720	707	715	714	714	718	718	714	742	1	11 21	840	17 20	701	139
12			✓	708	705	718	720	716	716	725	753	789	830	835	803	780	748	739	729	723	711	708	711	715	713	710	710	738	1	9 15	845	23 10	700	145
13			✓	716	713	714	715	717	717	717	743	779	822	822	823	798	780	755	735	710	675	685	693	679	699	708	700	734	1	9 42	836	17 41	668	168
14				703	704	706	709	709	711	715	739	780	801	832	830	810	784	755	725	716	715	709	698	707	707	707	708	737	0	10 54	837	19 23	693	144
15				705	710	717	717	718	718	726	745	780	825	837	835	810	767	736	713	715	716	716	713	712	712	710	709	740	0	11 12	842	0 27	704	138
16	✓			708	709	711	712	712	714	719	731	760	802	836	853	843	811	769	739	725	721	722	719	719	718	716	713	745	0	11 44	855	0 52	707	148
17	✓	✓		711	713	715	717	718	721	713	723	760	805	843	852	835	793	758	736	721	718	718	716	715	715	715	714	744	0	11 30	856	0 42	709	147
18				717	717	719	717	717	718	717	732	773	828	861	858	827	787	741	718	712	715	715	710	711	715	715	712	744	0	10 57	870	20 02	707	163
19				713	715	716	717	719	719	726	743	781	842	864	880	866	828	798	747	722	714	716	710	712	712	711	707	753	1	11 24	882	23 50	705	177
20				709	709	712	714	717	728	730	733	759	780	816	840	820	782	749	729	716	699	701	703	698	678	679	699	733	1	11 30	851	22 25	654	197
21			✓	689	692	701	705	708	713	708	713	741	774	768	788	781	766	736	704	706	695	704	682	686	709	696	695	719	1	9 22	795	19 50	674	121
22			✓	691	700	705	702	705	703	701	710	727	771	801	813	788	751	718	682	671	681	688	685	666	666	686	700	713	0	11 17	823	20 55	659	164
23			✓	695	696	703	705	704	705	718	729	751	781	804	829	817	778	756	731	713	706	701	(690	684)	698	715	702	730	0	11 46	837	[20 35	681	156
24				704	713	715	709	708	712	704	702	725	764	800	823	824	791	751	719	712	708	710	709	706	697	702	706	730	0	12 08	834	22 03	689	145
25	✓			703	705	705	704	704	712	714	730	760	801	824	829	812	784	750	729	720	714	705	(703	706)	708	709	711	735	0	11 10	840	[19 20	702	138
26	✓	✓		711	711	712	714	714	715	705	706	738	777	810	822	797	775	755	745	732	718	716	714	713	711	711	712	735	0	11 28	829	7 13	698	131
27	✓	✓		711	713	715	715	716	719	719	725	740	772	791	794	783	761	736	720	711	709	708	706	708	706	703	701	728	0	11 08	797	23 27	699	98
28	✓			706	711	716	717	718	718	726	737	750	762	774	773	769	756	748	734	721	710	711	706	705	705	703	704	728	0	10 56	780	22 03	701	79
29				717	717	719	721	721	722	729	743	763	776	767	752	730	716	717	721	721	716	715	717	717	718	715	715	728	0	9 29	781	0 00	709	72
30				715	716	720	726	726	728	740	764	787	811	831	838	822	788	757	735	724	721	719	718	718	718	718	720	748	0	11 25	842	0 34	713	129
31																																		
MEANS ALL DAYS				710	711	714	715	716	718	720	734	766	804	828	834	816	782	751	727	716	711	712	708	707	708	710	710	739						149
MEANS TEN DAYS ✲				710	712	713	714	716	718	717	729	761	800	830	840	824	790	755	732	720	716	715	712	711	711	711	710	740						143
MEANS FIVE DAYS † (G. M. T.)				711	713	714	716	717	718	714	723	755	796	829	841	823	787	753	732	721	717	716 716	712 714	712	712	713	713	740						
MEANS FIVE DAYS ‡ (G. M. T.)				700	701	708	709	710	711	714	730	757	796	806	811	793	765	741	716	705	694	697	699	696	697	698	704	727						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 86

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1923 — MAY 1923

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		722	721	721	722	724	725	729	751	792	833	851	837	805	777	748	734	731	729	729	730	734	729	727	728	751	0	10 38	856	3 18	720	136
2	✓			728	728	725	724	724	725	727	734	754	785	814	826	815	786	752	729	724	722	722	723	724	721	718	717	744	1	11 26	832	22 59	716	116
3			✓	720	725	724	725	733	735	747	753	776	795	809	807	814	778	737	726	724	703	691	705	702	698	703	712	739	1	12 10	825	18 10	687	138
4				719	712	710	710	718	717	713	706	714	740	774	804	804	784	757	729	715	705	691	681	693	704	706	706	726	0	11 25	825	19 19	678	147
5				706	704	709	712	713	717	715	707	711	732	759	783	788	767	745	733	720	714	716	716	714	714	715	713	726	0	12 01	792	1 47	704	88
6	✓			712	713	716	718	718	721	721	717	719	739	782	806	815	802	774	747	721	715	719	718	719	716	713	719	736	0	12 19	819	7 59	705	114
7				718	717	719	722	725	727	729	730	736	762	795	815	836	813	780	756	727	717	717	705	697	709	709	713	741	0	12 52	843	20 03	685	158
8				711	709	711	714	720	726	730	740	753	775	801	810	813	797	772	750	731	718	704	703	704	710	716	713	739	0	10 48	818	18 32	701	117
9				714	716	714	720	719	720	714	709	708	747	779	792	790	776	762	742	727	720	715	713	714	715	716	717	732	0	11 13	796	8 08	699	97
10	✓			715	714	715	716	718	721	725	732	744	764	786	794	804	798	772	738	725	718	719	721	722	722	722	722	739	0	12 30	809	1 05	708	101
11				723	723	723	725	724	727	730	724	733	760	794	802	806	794	768	747	732	723	725	724	723	721	720	720	741	0	11 52	814	24 00	718	96
12	✓	✓		718	718	722	725	726	728	737	755	773	797	804	803	793	780	762	746	733	724	724	719	719	721	719	722	744	0	10 03	810	23 05	717	93
13	✓	✓		723	723	725	725	727	730	738	748	766	791	818	834	831	809	773	746	731	726	726	726	726	724	719	724	750	0	11 49	840	22 06	718	122
14				729	731	731	730	725	728	724	711	718	749	776	795	800	777	756	743	738	734	726	721	722	721	719	715	738	0	12 11	806	7 33	702	104
15				716	716	719	726	726	726	726	731	749	789	822	839	828	802	778	752	731	717	717	721	721	719	720	721	746	0	11 27	844	0 07	714	130
16				721	721	722	723	723	722	720	721	745	782	811	828	829	818	788	757	743	739	733	729	727	729	724	724	749	1	12 03	833	7 08	714	119
17			✓	729	723	719	733	741	739	745	754	782	842	809	814	798	770	746	722	689	692	664	678	720	694	678	690	736	1	9 38	874	18 35	658	216
18			✓	690	701	706	711	714	720	727	709	727	750	759	767	760	735	713	700	699	695	688	695	704	690	701	704	715	1	10 35	771	0 00	683	88
19				701	700	705	710	712	713	720	731	746	762	779	(778)	782	764	744	730	715	709	693	707	710	707	714	714	727	1	[10 26	789]	18 54	678	[111]
20				713	714	716	721	721	719	723	737	764	794	808	812	799	785	760	739	718	704	690	683	686	693	703	708	734	1	11 32	826	19 54	681	145
21	✓			708	708	710	712	716	718	725	735	745	764	777	782	773	756	748	729	718	706	704	705	704	705	707	707	728	1	11 15	791	18 35	701	90
22	✓	✓		708	710	712	712	714	712	708	715	735	765	788	793	792	782	758	739	722	716	714	710	709	707	705	708	731	1	11 51	797	22 54	703	94
23				708	711	712	712	715	718	709	691	693	705	741	761	777	769	754	728	715	710	708	705	705	705	707	711	720	0	12 42	782	9 23	685	97
24	✓	✓		709	713	715	717	719	723	724	723	727	743	760	766	760	744	726	721	724	721	719	720	718	723	722	718	727	0	11 53	770	0 37	708	62
25				719	725	730	734	739	737	744	758	763	785	789	789	787	773	754	740	724	719	717	717	718	718	718	718	742	1	12 15	795	18 27	714	81
26				721	721	721	720	722	725	739	745	734	739	736	737	748	757	762	756	736	722	719	719	720	719	719	712	731	0	14 48	766	23 53	707	59
27				718	722	723	725	726	734	748	768	777	775	774	765	753	756	762	752	736	720	720	721	721	722	723	720	740	0	8 48	791	0 00	710	81
28	✓			719	720	719	719	724	729	738	742	732	733	738	749	764	769	764	751	735	722	718	717	721	723	721	723	733	1	13 19	771	19 10	716	55
29			✓	723	723	727	729	729	732	747	765	770	750	728	752	752	724	714	705	699	692	692	685	680	675	685	681	719	1	8 30	777	14 07	669	108
30			✓	691	695	703	718	710	714	731	734	726	730	731	739	738	721	701	700	702	698	702	700	707	703	705	709	713	0	11 52	757	14 55	678	79
31				708	710	710	711	712	718	736	756	776	794	803	800	790	771	752	736	718	706	701	702	706	709	710	712	735	0	11 00	810	18 41	699	111
MEANS ALL DAYS				715	716	717	720	722	724	729	733	745	767	784	793	792	775	754	736	723	715	710	710	713	712	712	714	735						108
MEANS TEN DAYS ✱				716	717	718	719	721	723	727	735	749	771	792	799	795	780	758	738	726	720	719	719	720	719	717	719	738						98
MEANS FIVE DAYS † (G. M. T.)				716	717	719	720	722	724	727	738	759	786	804	807	796	778	753	737	728	723	716 722	714 721	714	714	714	716	740						
MEANS FIVE DAYS ‡ (G. M. T.)				711	713	716	723	725	728	739	743	756	773	767	776	772	746	722	711	703	696	687	706	714	708	705	707	727						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 87

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1923

JUNE 1923

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			713	715	717	721	723	725	734	748	760	778	786	790	777	762	737	719	716	713	712	710	710	708	706	710	733	0	11 37	795	22 48	704	91
2	✓			716	718	714	715	718	723	733	737	747	765	784	785	784	771	757	738	722	713	712	714	715	714	713	712	734	1	10 20	799	24 00	708	91
3				709	715	718	721	724	728	736	741	744	740	753	755	760	758	758	754	746	735	724	722	714	716	718	721	734	1	14 14	774	0 14	707	67
4			✓	716	717	716	730	724	718	722	718	733	752	767	769	773	768	760	747	733	729	726	705	716	709	703	717	732	1	10 07	783	22 39	687	96
5				676	694	705	702	705	709	717	729	739	755	753	772	776	769	752	732	715	709	706	709	710	711	711	715	724	1	11 12	784	0 29	667	117
6				718	721	721	719	728	723	733	747	761	764	765	751	732	751	746	743	731	715	705	705	707	710	715	710	730	1	10 33	792	19 13	702	90
7				709	709	711	715	721	725	739	757	762	764	762	742	732	727	724	728	726	716	713	708	704	710	710	711	726	0	10 28	771	20 17	703	68
8				716	716	716	714	714	717	731	746	763	759	764	758	740	737	736	734	725	717	714	714	715	717	719	719	729	0	10 33	771	18 19	713	58
9	✓	✓		720	722	722	724	724	727	738	752	753	747	741	733	733	739	741	740	732	719	718	715	713	710	713	716	729	0	7 58	755	21 18	709	46
10	✓	✓		716	716	717	719	722	725	738	761	776	782	780	768	751	743	746	746	737	726	726	725	726	727	728	728	739	1	9 49	783	0 56	715	68
11				728	732	740	744	736	738	746	751	757	757	764	775	767	765	754	745	731	722	721	721	721	722	723	724	741	1	11 40	783	20 00	720	63
12				723	723	724	725	725	728	741	762	775	786	793	785	779	776	770	773	772	770	754	687	667	656	703	671	740	1	10 22	797	21 29	633	164
13			✓	680	697	712	714	707	704	710	728	745	775	739	768	751	724	712	710	701	684	686	699	706	695	688	693	714	1	9 37	804	0 40	671	133
14			✓	699	697	701	703	704	706	715	733	747	753	759	757	745	743	722	712	695	689	686	690	701	696	708	701	715	1	9 56	769	17 29	682	87
15				709	711	707	710	712	709	715	737	755	780	791	798	798	769	753	731	713	701	698	696	695	708	708	700	729	1	11 09	811	20 10	691	120
16				704	706	707	709	708	708	712	727	745	765	777	784	782	770	747	728	709	701	702	701	707	705	705	709	726	0	11 00	788	17 35	698	90
17	✓	✓		708	708	709	711	715	716	722	735	756	775	783	776	766	754	742	729	717	715	712	710	710	710	709	709	729	0	10 38	787	1 36	706	81
18	✓	✓		708	710	712	714	716	719	726	735	749	760	772	782	781	785	770	745	726	717	715	(713	715)	715	713	717	734	0	13 18	787	0 45	707	80
19				716	717	720	719	719	721	729	743	762	785	807	823	823	802	774	748	725	717	715	711	707	706	709	708	742	1	12 00	828	21 29	703	125
20				708	707	711	710	715	717	721	737	758	779	794	792	789	785	752	735	709	695	702	(712	709)	720	727	710	733	1	11 22	800	17 27	689	111
21			✓	703	710	726	720	711	730	726	739	734	750	766	773	778	773	745	723	715	709	701	699	702	704	706	710	727	1	12 36	787	0 35	689	98
22				710	705	707	719	716	716	721	736	743	755	755	759	752	749	750	739	724	715	713	711	710	708	708	708	726	1	10 30	763	2 00	702	61
23	✓			710	711	713	713	715	719	729	744	759	768	769	767	755	748	738	728	720	717	716	713	712	714	715	716	730	0	10 00	783	0 00	709	74
24	✓	✓		717	717	717	718	719	719	719	729	743	762	772	768	751	745	745	740	730	722	721	719	719	718	717	715	731	0	10 59	776	24 00	713	63
25	✓			714	715	714	719	718	719	729	742	761	782	794	783	774	764	754	744	732	722	719	720	720	720	720	721	738	0	10 26	798	2 40	712	86
26				723	723	725	730	731	734	743	738	737	754	768	774	774	776	777	763	743	734	733	728	729	729	727	722	742	1	13 30	781	23 19	715	66
27				716	709	716	718	724	724	733	742	751	731	745	770	781	782	768	739	709	699	702	703	701	692	700	704	727	1	13 19	793	21 58	687	106
28				699	697	715	710	714	719	724	738	754	777	798	816	813	784	749	727	716	712	712	710	708	706	708	706	734	0	11 43	823	1 46	693	130
29	✓			711	709	710	712	715	717	720	730	746	768	798	818	817	789	753	731	721	722	721	722	723	723	727	727	739	1	12 11	824	1 00	708	116
30			✓	728	732	736	719	726	727	732	735	728	733	725	727	745	691	701	699	686	681	679	677	676	684	683	678	710	1	12 27	766	13 34	661	105
31																																		
MEANS ALL DAYS				711	713	716	717	718	720	728	740	751	763	771	774	769	760	748	736	723	715	712	709	709	709	711	710	731						92
MEANS TEN DAYS ✱				713	714	714	717	718	721	729	741	755	769	778	777	769	760	748	736	725	719	717	716	716	716	716	717	733						80
MEANS FIVE DAYS (G. M. T.) †				714	715	715	717	719	721	729	742	755	765	770	765	756	753	749	740	728	720	712 718	711 716	711	711	712	714	731						
MEANS FIVE DAYS (G. M. T.) ‡				705	711	718	717	714	717	721	731	737	753	751	759	758	740	728	718	706	698	696	708	704	702	713	704	721						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 88

HORIZONTAL INTENSITY

JULY 1923

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				690	697	693	688	691	697	701	707	724	745	757	760	755	744	729	713	706	703	703	698	693	688	707	711	712	0	10 55	764	0 00	679	85
2				703	696	695	694	696	706	718	739	753	759	759	759	765	730	703	696	696	696	694	696	698	699	699	703	715	0	12 42	776	14 59	691	85
3				703	705	708	708	710	712	717	730	744	769	784	803	790	770	750	735	727	720	716	714	714	714	714	714	732	0	11 17	818	0 29	702	116
4	✓			714	716	715	714	714	716	721	721	723	742	765	780	784	774	758	740	723	712	710	711	710	714	716	716	730	0	12 02	786	18 18	708	78
5	✓	✓		715	713	712	713	714	715	722	740	765	784	798	807	799	785	769	747	734	728	728	729	729	726	723	724	742	0	11 29	808	0 33	711	97
6				724	724	724	723	724	735	735	730	743	767	775	780	771	761	733	724	725	727	728	697	674	682	669	674	727	1	11 32	791	23 04	660	131
7			✓	689	691	696	702	707	708	719	738	751	767	790	798	790	770	740	718	719	698	700	703	703	703	707	711	726	1	10 55	808	0 31	687	121
8				704	707	710	711	716	719	724	732	745	771	783	771	771	759	742	728	722	717	714	711	711	710	709	712	729	0	10 32	790	0 06	703	87
9				715	715	715	715	720	723	721	717	725	742	764	783	795	795	775	749	728	727	726	726	728	725	717	712	736	0	13 21	801	23 13	710	91
10			✓	719	722	721	721	734	737	751	752	723	722	766	798	821	776	739	703	690	690	681	684	690	704	708	699	727	1	12 40	845	18 32	677	168
11			✓	699	706	707	707	709	711	722	728	750	772	797	808	799	776	756	732	710	711	708	706	709	704	703	706	731	0	11 27	815	0 28	697	118
12				710	713	712	713	715	715	720	731	743	751	768	787	784	768	745	726	715	712	711	710	711	709	709	713	729	0	11 39	792	0 08	705	87
13				716	714	713	717	714	715	723	734	752	774	797	812	804	776	748	726	715	709	708	711	711	711	710	712	734	0	11 54	817	17 52	706	111
14	✓	✓		713	716	718	719	721	722	728	738	753	778	806	827	824	791	752	730	720	720	718	715	715	715	717	715	740	0	12 10	832	0 33	706	126
15	✓	✓		716	717	719	719	720	722	732	745	760	786	811	833	832	807	775	744	723	718	720	716	713	708	714	718	744	0	11 42	841	21 11	706	135
16	✓			718	724	724	725	725	727	733	739	747	758	771	774	769	757	743	739	731	723	721	721	721	721	722	722	736	0	10 57	778	0 00	717	61
17				724	725	726	726	727	728	735	745	759	782	794	792	789	766	749	736	716	706	707	703	708	707	716	721	737	0	12 01	797	19 53	701	96
18			✓	731	730	729	729	740	751	754	750	773	782	803	813	817	795	761	749	736	721	715	(712)	709	702	711	715	747	1	11 13	846	21 37	695	151
19				723	719	714	714	713	713	710	705	710	727	757	767	789	778	762	742	727	716	713	(713)	710	714	716	710	728	0	12 08	800	21 22	700	100
20				711	720	720	720	719	719	715	702	719	740	770	793	793	773	757	742	727	720	719	718	718	718	717	717	732	0	12 08	799	7 49	695	104
21	✓	✓		716	716	716	722	723	723	729	739	751	770	785	790	783	771	761	751	739	729	725	725	723	722	722	725	740	0	11 43	792	0 28	716	76
22				723	724	724	724	728	728	723	729	739	762	785	794	801	803	782	757	747	743	739	726	705	688	681	691	739	0	13 10	809	22 03	674	135
23			✓	676	696	710	709	716	719	727	732	743	743	753	764	759	757	741	730	717	712	707	707	708	707	707	708	723	1	12 00	773	0 30	671	102
24	✓	✓		709	709	710	712	713	713	715	721	733	759	774	779	781	772	758	742	729	719	716	715	716	717	721	717	731	0	12 34	785	0 12	700	85
25	✓			718	718	718	719	720	721	725	736	756	779	800	805	802	791	766	742	727	724	720	716	718	721	722	720	741	0	11 05	808	19 31	715	93
26	✓			720	720	720	722	726	726	736	750	764	782	804	817	818	810	789	748	725	720	721	711	707	712	711	715	745	0	12 07	822	20 34	705	117
27				712	714	719	721	728	733	740	750	771	787	818	827	835	813	782	753	726	708	702	703	704	708	711	714	745	0	12 10	838	19 52	699	139
28				713	713	713	714	(717	720	722	729)	748	771	797	810	810	797	763	737	720	720	722	718	714	715	716	717	738	0	11 27	818	1 27	710	108
29				720	723	727	730	733	737	738	746	766	789	820	834	838	824	794	756	732	724	723	722	722	721	722	722	753	0	12 43	845	0 27	717	128
30	✓			722	722	722	724	726	726	732	731	737	758	785	806	820	819	802	775	746	727	726	724	720	722	727	727	747	0	13 00	826	21 30	719	107
31				726	719	718	720	723	726	732	736	742	762	787	808	809	796	773	746	731	726	727	724	722	725	727	729	743	0	12 02	816	1 43	715	101
MEANS ALL DAYS				713	714	715	716	719	721	726	733	746	764	785	796	797	781	758	737	724	717	715	712	711	711	712	713	735						108
MEANS TEN DAYS ✲				716	717	717	719	720	721	727	736	749	770	790	802	801	788	767	746	730	722	720	718	717	718	720	720	740						98
MEANS FIVE DAYS † (G. M. T.)				714	714	715	717	718	719	725	737	752	775	795	807	804	785	763	743	729	723	712 721	712 720	712	713	713	714	738						
MEANS FIVE DAYS ‡ (G. M. T.)				703	709	713	714	721	725	735	740	748	757	782	796	797	775	747	726	714	706	702	707	701	701	698	699	730						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 89

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

AUGUST 1923 AUGUST 1923

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		730	731	731	733	733	739	748	751	758	768	779	786	786	779	770	755	739	725	722	718	715	711	717	724	744	0	11 40	790	21 16	708	82
2	✓			723	724	724	724	726	728	736	746	750	758	783	806	820	810	783	755	741	735	736	721	710	702	703	715	744	0	12 35	821	21 47	697	124
3			✓	720	714	722	720	720	726	720	707	720	756	805	835	852	828	774	739	721	710	707	706	705	705	710	710	739	1	12 18	869	7 48	677	192
4			✓	693	700	711	710	706	710	715	727	742	760	788	801	801	776	753	725	715	712	709	702	707	705	704	705	728	0	11 25	809	1 09	690	119
5				704	711	711	710	711	712	707	701	712	735	765	791	803	805	778	742	721	713	712	711	711	710	719	722	730	0	13 10	811	7 07	698	113
6			✓	715	712	711	719	719	719	715	725	742	761	782	793	819	824	792	738	708	696	698	702	709	713	715	717	735	1	13 03	830	17 55	693	137
7				717	713	714	716	717	715	724	734	747	776	802	820	828	813	780	747	726	720	714	715	715	714	708	711	741	0	12 19	833	22 34	707	126
8				712	711	717	720	725	729	729	733	747	766	786	792	782	760	738	727	717	717	717	718	713	709	713	717	733	0	11 37	798	20 55	708	90
9				717	721	721	721	721	723	734	749	761	771	783	790	798	796	779	751	729	719	716	716	720	721	725	725	742	0	13 03	802	0 05	713	89
10	✓			720	722	724	724	725	732	749	773	788	793	792	781	773	762	748	741	731	724	720	715	713	717	719	718	742	0	9 54	800	20 16	712	88
11	✓			719	720	722	723	724	727	739	758	773	783	793	801	788	768	745	731	725	725	720	720	722	724	724	724	742	0	11 27	806	0 00	717	89
12				725	728	727	728	733	736	748	769	795	812	819	807	774	743	721	721	742	726	719	719	715	728	726	726	745	1	10 24	822	20 15	714	108
13			✓	728	724	725	734	728	732	745	766	788	811	825	852	843	839	804	744	700	695	702	714	717	716	712	721	753	1	11 31	869	17 06	693	176
14				704	700	705	708	712	714	725	748	760	778	786	772	777	753	739	723	715	711	705	711	713	713	710	713	729	0	10 37	791	1 11	697	94
15				712	713	722	720	719	720	726	732	755	781	808	814	789	772	762	737	716	710	711	711	709	709	710	711	736	0	11 39	824	20 12	709	115
16	✓			711	712	715	717	720	723	731	747	766	785	801	817	814	800	772	746	722	711	703	696	700	704	708	711	739	0	12 07	824	19 19	695	129
17				712	713	715	716	717	717	714	709	722	(739	758)	770	774	771	769	755	735	721	717	(717	714)	714	714	716	730	0	12 15	778	[20 18	708	70]
18	✓	✓		717	718	718	719	721	723	723	725	740	769	804	825	823	812	793	767	740	726	722	(720)	723	724	726	727	746	0	11 29	829	[20 03	718	111]
19				728	728	728	729	732	733	732	734	745	771	805	846	859	838	811	777	744	725	714	708	705	712	711	711	751	0	12 33	873	20 10	704	169
20				710	713	714	717	721	724	736	742	747	744	759	758	763	764	755	737	724	715	712	(711)	714	714	714	714	730	0	10 25	769	[20 18	710	59]
21	✓	✓		715	715	715	716	720	723	726	732	746	756	774	795	810	809	798	770	737	718	712	709	713	713	718	718	740	0	12 37	816	19 24	708	108
22				716	717	719	719	721	727	728	733	743	757	779	792	796	779	764	744	730	719	710	715	719	719	719	716	737	0	12 38	799	18 15	709	90
23				719	719	720	721	724	729	733	748	766	782	796	801	802	790	768	746	730	723	723	724	725	728	731	734	745	0	12 17	813	0 00	717	96
24			✓	732	730	728	720	712	711	717	717	720	769	793	824	831	813	782	752	728	711	714	714	717	713	711	715	741	1	12 26	834	8 37	705	129
25				715	719	718	721	726	732	743	755	759	781	813	819	826	813	782	747	713	705	708	716	718	720	720	719	745	0	11 55	834	17 09	703	131
26				718	719	721	723	726	734	743	745	753	762	768	774	776	776	768	750	735	726	722	720	720	719	719	718	739	0	12 58	784	23 34	715	69
27				720	721	720	723	725	726	733	747	767	796	832	853	851	820	792	762	736	715	711	711	711	708	706	707	750	0	11 41	862	22 32	706	156
28	✓	✓		709	709	715	714	717	720	724	731	749	774	801	824	830	809	772	742	724	717	715	714	715	715	716	716	740	0	11 53	833	1 22	706	127
29	✓	✓		716	717	717	719	722	723	726	738	760	787	811	828	833	820	790	760	734	724	723	721	722	723	722	723	748	0	12 03	837	0 33	715	122
30	✓			726	727	727	726	728	729	735	741	757	787	817	847	860	848	819	779	742	724	728	727	728	730	729	722	758	0	12 38	862	24 00	720	142
31				716	722	719	722	728	723	723	717	727	754	780	801	812	805	788	766	738	716	706	698	705	711	720	716	738	0	12 41	820	19 48	697	123
MEANS ALL DAYS				717	718	719	720	722	724	730	738	752	772	793	807	809	797	774	748	728	717	714	714	714	715	716	717	741						115
MEANS TEN DAYS *				719	720	721	722	724	727	734	744	759	776	796	811	814	802	779	755	734	723	720	716	716	716	718	720	744						112
MEANS FIVE DAYS † (G. M. T.)				717	718	719	720	723	726	729	735	751	771	794	812	816	806	785	759	735	722	716 719	715 716	715	715	715	716	743						
MEANS FIVE DAYS ‡ (G. M. T.)				718	716	719	721	717	720	722	728	742	771	799	821	829	816	781	740	714	705	706	716	713	715	718	721	740						

DESIGNATIONS AND REMARKS

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[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 90

HORIZONTAL INTENSITY

SEPTEMBER 1923

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1923

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				710	707	713	715	721	725	729	739	753	773	783	788	774	749	737	736	732	721	717	714	714	715	716	718	733	0	11 04	792	1 11	703	89
2				716	716	716	721	722	723	727	736	755	778	786	797	799	787	787	769	745	733	731	713	701	710	719	721	742	0	12 52	801	20 37	697	104
3				715	713	715	719	723	727	743	759	775	802	822	828	820	804	777	758	743	725	721	719	717	717	718	719	749	1	11 18	831	0 42	711	120
4	✓			720	717	720	718	717	722	726	743	756	791	811	820	807	786	768	755	738	723	719	716	717	719	719	716	744	0	11 32	829	19 32	714	115
5				713	715	718	719	719	723	717	703	694	713	736	761	775	765	759	744	732	720	718	718	716	718	720	720	726	0	12 40	782	8 17	691	91
6	✓			722	722	722	723	724	729	745	761	776	790	791	795	791	785	779	764	743	730	726	725	725	725	725	724	748	0	11 06	800	2 40	720	80
7	✓	✓		723	723	724	724	724	727	740	755	769	779	790	793	788	778	770	757	738	725	723	721	721	719	716	715	743	0	10 16	800	23 23	713	87
8	✓	✓		717	720	723	725	728	731	735	738	745	761	780	788	792	789	783	767	747	729	726	723	723	722	722	722	743	0	12 45	795	0 01	714	81
9			✓	723	724	726	727	729	734	752	775	806	827	828	832	830	798	765	753	738	719	700	686	678	689	701	705	748	1	10 18	844	20 00	669	175
10			✓	697	699	705	701	707	714	719	744	776	813	819	826	804	778	748	728	722	712	713	712	712	711	709	707	736	1	10 05	835	1 07	692	143
11				707	712	710	711	718	719	734	761	795	839	869	863	845	811	774	745	723	704	697	703	703	705	709	714	749	0	10 37	880	18 25	695	185
12	✓			717	717	716	718	718	721	725	734	761	806	839	856	853	823	786	755	723	712	719	719	719	718	717	719	750	0	12 07	858	17 08	710	148
13				719	719	719	727	729	730	732	752	772	792	817	823	824	809	784	748	716	720	721	719	726	721	721	715	748	0	12 30	832	16 48	711	121
14				714	716	722	726	718	720	720	726	757	796	827	857	837	822	793	767	736	715	714	714	712	713	712	718	748	1	11 36	876	20 38	709	167
15				717	716	717	719	720	724	731	735	759	794	832	839	826	812	794	762	733	719	721	(717)	716	718	716	713	748	0	11 29	849	⌈20 13	713	136
16	✓	✓		711	712	711	714	713	717	713	719	758	802	823	842	842	831	798	761	732	717	718	717	717	716	716	717	747	0	11 40	849	0 34	709	140
17				715	714	714	716	722	724	721	725	748	786	822	847	846	827	805	763	726	703	712	(709)	709	712	714	712	746	0	11 44	853	⌈20 10	702	151
18				713	715	713	717	723	725	713	696	721	756	802	822	817	802	785	759	732	708	712	712	711	712	714	714	737	1	11 42	840	7 34	694	146
19	✓			715	715	718	721	721	719	712	715	737	764	793	815	818	812	794	774	747	726	720	718	724	721	721	720	743	0	12 52	820	6 47	708	112
20	✓			722	724	724	724	726	730	725	727	748	771	787	783	779	774	769	759	741	725	726	723	720	720	720	721	740	0	10 33	802	7 15	719	83
21	✓	✓		721	721	721	721	721	722	727	739	765	788	794	784	771	761	765	768	753	733	725	724	723	723	723	724	742	0	10 48	797	4 18	719	78
22	✓	✓		725	723	724	725	725	726	740	765	790	811	820	817	804	776	762	754	746	735	728	720	715	714	713	718	749	0	10 29	823	21 05	710	113
23				719	716	720	723	725	731	743	767	804	824	851	835	805	786	770	752	735	722	718	714	712	712	722	712	751	1	10 40	869	24 00	702	167
24				705	714	718	720	723	728	736	762	801	834	854	852	825	786	749	722	712	709	715	714	713	716	712	710	747	1	10 17	857	0 02	701	156
25				713	715	718	720	723	723	721	738	772	813	849	855	843	806	777	741	717	711	719	719	719	715	714	719	748	0	11 18	866	17 26	709	157
26			✓	701	698	702	706	711	711	711	737	761	802	844	858	838	783	738	678	637	626	596	589	663	609	635	613	706	1	11 37	876	20 31	584	292
27			✓	629	632	653	654	677	686	689	679	692	703	722	735	729	679	646	636	626	644	623	634	653	667	663	663	667	2	12 10	777	0 46	615	162
28			✓	665	666	672	674	678	679	679	692	742	782	806	811	793	754	716	692	688	687	677	682	675	684	692	680	707	1	11 43	817	0 12	663	154
29				684	689	688	687	689	689	688	706	759	816	854	868	846	800	752	724	704	704	695	692	689	690	702	700	730	1	11 26	872	0 05	681	191
30				692	696	697	697	699	696	682	691	734	784	821	837	823	788	745	708	697	698	698	689	693	695	697	696	723	1	11 49	844	6 40	677	167
31																																		
MEANS ALL DAYS				709	710	712	714	716	719	722	734	759	790	812	821	811	789	766	743	723	712	708	706	708	708	710	709	738						137
MEANS TEN DAYS *				719	719	720	721	722	724	729	740	760	786	803	809	804	792	777	761	741	726	723	721	720	720	719	720	745						104
MEANS FIVE DAYS † (G. M. T.)				719	720	721	722	722	725	731	743	765	788	801	805	799	787	776	761	743	728	724 724	722 721	721	721	720	719	745						
MEANS FIVE DAYS ‡ (G. M. T.)				683	684	692	692	700	705	710	725	755	785	804	812	799	758	723	697	682	678	662	670	687	680	687	684	715						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 91

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

OCTOBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				700	708	695	693	699	696	684	697	737	784	827	842	830	795	758	728	705	697	697	696	695	695	697	697	727	0	11	09 849	6	56 678	171
2	✓	✓		698	697	702	701	702	702	688	683	714	755	791	820	828	814	789	756	725	705	703	702	701	702	701	701	728	0	12	35 832	7	02 678	154
3	✓	✓		701	700	702	700	706	703	674	664	692	741	781	808	808	792	767	740	720	707	705	703	701	700	703	701	722	0	11	43 818	7	40 658	160
4				701	705	702	705	706	705	697	691	705	740	780	811	830	837	806	764	718	698	703	705	704	701	701	692	729	0	13	13 841	7	57 689	152
5				693	694	699	704	707	708	697	694	712	753	790	810	816	791	769	737	721	708	706	702	702	706	708	708	726	0	12	03 818	6	57 682	136
6				704	710	710	712	713	713	707	715	747	798	841	855	844	808	771	739	715	706	704	704	704	702	699	694	738	1	11	12 883	24	00 691	192
7				691	694	699	701	704	699	680	684	720	765	792	807	795	764	738	725	716	707	705	705	705	702	693	687	720	0	11	19 812	6	49 673	139
8				684	690	694	699	701	700	699	719	754	765	775	773	776	774	762	741	718	703	695	685	678	682	685	687	718	1	10	45 784	20	32 676	108
9	✓			690	693	695	699	705	708	709	728	751	779	797	796	782	759	743	724	707	699	698	695	695	697	699	698	723	0	11	29 804	0	25 689	115
10				697	706	713	712	718	725	736	759	796	833	832	829	781	770	744	710	702	701	705	703	703	709	701	710	737	1	10	00 876	23	05 689	187
11				699	692	695	699	698	700	704	724	744	767	774	766	757	738	722	714	713	709	704	703	702	702	700	703	718	1	9	52 785	1	00 689	96
12	✓			700	702	702	707	699	702	709	742	790	835	861	861	827	775	721	683	683	694	703	703	703	702	701	701	734	0	11	05 868	15	52 680	188
13	✓			699	702	703	703	701	702	701	729	777	809	833	833	815	772	740	714	705	709	710	708	708	707	708	709	733	0	11	07 840	6	16 696	144
14				711	711	713	712	714	712	704	732	777	818	854	861	858	841	793	748	706	688	697	699	707	702	688	687	743	0	11	54 872	24	00 677	195
15			✓	699	695	691	704	709	696	676	709	724	754	761	744	722	704	700	685	648	654	666	665	660	687	679	675	696	2	10	08 814	17	14 637	177
16			✓	688	684	686	689	705	699	676	675	670	688	682	691	684	681	665	660	621	594	623	635	625	652	646	652	665	2	12	04 723	17	18 589	134
17			✓	661	673	663	659	668	668	681	690	703	701	691	699	725	731	726	712	685	683	675	(680)	682	672	664	665	686	2	13	06 737	0	07 652	85
18			✓	683	688	686	681	683	678	684	713	739	773	775	783	783	758	724	669	671	679	686	(691)	694	690	697	688	708	1	10	05 785	15	13 656	129
19			✓	687	690	692	693	700	710	728	728	746	784	830	834	836	792	741	717	698	690	689	688	690	689	692	691	726	1	10	45 848	7	28 679	169
20				691	692	688	698	698	698	692	718	758	796	821	823	813	784	754	730	699	685	688	692	692	691	686	693	724	1	10	35 831	2	27 682	149
21				693	691	692	695	698	699	683	692	715	744	774	791	800	789	763	730	711	699	699	700	702	697	692	692	718	0	12	18 802	6	44 679	123
22				692	689	692	696	699	700	707	721	740	765	786	772	779	764	746	729	709	694	690	692	696	697	697	696	719	0	10	30 796	1	20 688	108
23	✓	✓		699	700	700	701	703	703	708	721	740	743	757	760	760	750	738	724	711	704	703	701	703	703	701	702	718	1	11	18 765	0	01 696	69
24	✓	✓		699	699	699	700	702	700	707	731	767	804	830	840	832	801	756	721	702	702	709	712	709	710	711	712	736	0	11	48 842	2	07 698	144
25	✓			712	712	711	712	714	710	707	733	774	813	841	866	863	826	780	730	703	698	700	688	682	686	702	704	740	0	11	49 874	20	42 673	201
26				701	703	704	705	707	706	701	725	760	793	810	813	811	794	766	740	721	710	710	711	712	723	729	724	737	0	12	17 821	0	04 699	122
27				721	718	709	717	709	702	697	728	766	788	797	799	776	758	746	722	703	696	701	703	703	701	701	701	728	1	11	22 820	6	10 693	127
28				701	703	703	703	707	709	714	730	754	776	792	785	770	756	738	720	708	699	703	705	703	702	697	701	724	1	10	39 807	22	54 695	112
29	✓			699	698	699	703	701	702	706	726	750	780	794	788	774	755	737	723	712	708	709	708	707	706	707	706	725	0	10	56 796	1	58 698	98
30	✓	✓		710	709	708	709	710	708	711	729	756	783	806	817	809	788	764	737	719	710	706	709	710	709	708	708	735	0	11	35 819	18	40 706	113
31				711	710	712	715	719	717	721	752	783	827	850	858	855	819	771	723	706	696	697	691	689	696	690	697	742	1	11	19 874	20	14 680	194
MEANS ALL DAYS				697	699	699	701	703	703	700	716	744	776	798	804	798	777	750	722	703	695	696	696	696	697	696	696	723						142
MEANS TEN DAYS ✲				701	701	702	704	704	704	702	719	751	784	809	819	810	783	754	725	709	704	705	703	702	702	704	704	729						139
MEANS FIVE DAYS † (G. M. T.)				701	701	702	702	705	703	698	706	734	765	793	809	807	789	763	736	715	706	700 705	700 705	700	701	701	700	727						
MEANS FIVE DAYS ‡ (G. M. T.)				684	686	684	685	693	690	689	703	716	740	748	750	750	733	711	689	665	660	668	674	674	681	675	673	697						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 92

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1923 — NOVEMBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				703	705	708	720	722	722	712	736	776	811	835	860	863	832	783	744	716	705	710	714	715	715	725	718	748	1	12 01	880	0 00	700	180
2			✓	706	725	700	696	692	688	659	682	725	759	777	783	769	762	749	725	693	685	668	660	656	671	676	693	708	1	11 18	796	6 25	652	144
3				686	695	689	691	696	696	692	710	729	734	727	716	707	714	727	727	718	709	706	702	700	700	700	696	707	1	9 53	738	0 34	680	58
4	✓			694	695	701	702	704	710	721	739	761	777	780	773	757	743	728	721	715	710	708	706	705	708	706	706	724	0	10 15	785	0 23	693	92
5	✓	✓		704	703	703	709	709	710	717	742	775	801	801	785	766	739	726	713	710	706	706	709	709	709	710	709	728	0	10 07	809	2 43	702	107
6	✓			708	705	705	706	712	716	729	760	805	830	837	817	794	768	742	726	715	712	715	713	713	712	712	712	740	0	10 40	846	16 46	700	146
7				713	712	713	715	716	721	729	755	792	808	819	800	752	725	715	715	705	698	701	696	701	704	701	703	730	1	10 58	837	19 30	694	143
8	✓			704	705	707	710	712	716	720	745	776	798	796	783	762	743	734	728	723	717	715	711	705	706	703	703	730	0	9 19	805	23 29	699	106
9	✓			706	708	711	711	711	718	735	758	782	790	779	739	719	715	715	722	724	721	715	714	714	712	715	714	727	0	10 00	798	0 58	704	94
10	✓	✓		715	715	714	715	719	724	738	767	799	822	818	797	775	750	730	714	714	721	724	722	723	724	723	724	741	0	10 00	827	16 07	709	118
11	✓			724	721	721	720	718	719	728	752	787	816	833	831	805	783	756	738	725	717	718	716	716	714	716	716	745	0	10 57	843	21 37	714	129
12			✓	716	717	722	730	732	723	724	760	808	838	854	858	821	771	729	698	680	680	696	698	696	696	701	703	740	1	10 33	882	16 40	674	208
13				705	707	707	714	718	708	692	694	722	766	787	815	785	788	768	740	708	687	692	700	701	702	702	701	725	1	11 32	830	17 48	684	146
14				701	702	702	707	709	707	700	710	745	776	793	798	792	777	758	741	720	709	707	707	705	703	708	705	728	0	10 50	802	6 43	698	104
15	✓	✓		703	702	701	702	703	707	707	722	740	763	766	756	737	728	720	719	720	720	718	716	714	712	712	712	721	0	10 06	769	2 20	700	69
16				712	713	712	713	715	722	730	743	759	763	767	733	729	724	738	738	728	711	704	705	704	702	702	703	724	1	10 50	778	21 55	700	78
17				704	704	705	712	712	714	716	723	736	734	738	733	729	726	732	735	731	721	718	(718)	717	717	717	717	721	1	10 35	742	0 44	704	38
18				719	719	717	717	718	724	735	751	775	798	798	786	762	724	716	723	730	723	718	(716)	712	709	705	705	733	0	9 35	810	23 16	703	107
19				712	714	713	713	714	722	734	743	754	761	760	739	721	717	715	722	723	718	716	715	713	712	710	710	724	1	9 45	765	0 00	709	56
20	✓	✓		711	710	710	712	714	719	730	752	779	795	793	778	752	736	727	722	719	715	717	720	721	727	726	727	734	0	9 51	798	2 04	709	89
21				725	723	718	721	730	738	749	768	787	788	797	771	715	726	712	715	720	724	724	723	724	720	719	718	736	1	10 21	831	14 31	655	176
22			✓	723	723	722	721	723	732	744	755	768	765	753	739	711	722	727	722	Δ		Δ	681	680	697	699	700		1	9 24	778	20 04	667	111
23				701	700	701	703	708	717	727	747	774	800	802	789	761	735	719	708	705	707	711	710	710	711	708	707	728	0	9 55	807	1 43	699	108
24				709	709	710	711	713	720	729	752	786	823	849	845	832	Δ					Δ	713	712	714	714	714		0.	10 35	853			
25		✓		714	714	713	715	717	720	726	739	769	799	Δ			Δ	760	737	711	701	710	715	715	715	714	712		0			17 15	700	
26	✓			710	709	710	715	721	728	737	757	778	797	799	785	760	731	715	706	701	702	704	715	715	713	718	727	731	0	9 48	803	16 26	699	104
27			✓	736	743	758	750	744	743	744	762	754	787	753	739	736	692	678	683	690	701	702	696	691	685	691	691	723	1	9 00	806	14 08	660	146
28				696	700	696	696	701	705	706	722	746	768	770	768	766	748	(741	743)	741	722	724	729	716	700	693	689	724	1	10 49	775	21 34	684	91
29			✓	695	695	696	696	698	701	710	732	738	764	780	776	748	742	729	713	696	690	704	707	707	697	698	703	717	1	10 38	799	17 46	683	116
30				705	704	705	706	706	713	718	735	747	764	778	786	781	774	752	731	713	701	704	703	706	703	697	699	726	0	11 25	794	22 42	695	99
31																																		
MEANS ALL DAYS a)				708	709	709	711	713	716	720	740	765	785	790	781	762	745	732	723	714	709	709	709	708	707	707	708	728						a) 113
MEANS TEN DAYS ✲				708	707	708	710	712	717	726	749	778	799	800	784	763	744	729	721	717	714	714	714	714	714	714	715	732						105
MEANS FOUR DAYS † (G. M. T.) b)				708	708	707	710	711	715	723	746	773	795	794	779	758	738	726	717	716	716	712 716	710 717	709	709	710	709	729						
MEANS FOUR DAYS ‡ (G. M. T.) c)				713	720	719	718	716	714	709	734	756	787	791	789	768	742	721	705	690	689	692	718	716	710	713	712	727						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-seven days only, omitting incomplete days November 22, 24 and 25
b) Omitting incomplete Greenwich day November 25
c) Omitting incomplete Greenwich day November 22

TABLE 93

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1923

DECEMBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				704	707	706	705	708	709	716	738	756	771	785	767	766	749	729	720	710	704	702	702	701	704	706	707	724	1	10	807	20 17	697	110
2	✓	✓		707	706	705	705	706	711	723	738	758	770	768	742	732	722	715	720	718	711	707	707	709	709	710	709	721	0	9 13	775	2 58	704	71
3				710	709	708	708	709	716	731	734	737	742	729	717	718	727	728	725	722	718	718	718	720	720	718	714	721	1	9 35	752	11 41	701	51
4				718	717	710	707	713	711	724	720	735	735	754	766	771	776	771	731	704	699	695	699	699	696	694	692	722	1	11 45	782	23 52	689	93
5				693	698	698	700	700	707	716	726	738	744	736	709	704	711	721	721	718	713	706	700	701	702	701	704	711	1	9 38	751	12 23	682	69
6	✓			705	704	707	708	707	712	718	731	765	784	784	761	736	704	700	710	717	704	703	702	706	708	707	704	720	0	10 02	789	14 30	692	97
7	✓	✓		706	711	710	712	712	719	727	738	747	751	738	717	704	687	689	706	720	719	712	710	709	712	719	719	716	1	9 52	763	14 17	684	79
8				709	706	712	714	717	722	731	750	770	782	770	748	729	724	728	738	741	735	723	720	717	715	718	722	731	0	9 24	787	1 12	703	84
9				726	728	732	732	732	734	736	746	766	772	763	742	707	688	691	683	675	675	675	679	687	692	695	695	715	1	10 15	787	19 50	670	117
10				698	700	700	703	704	713	713	723	752	763	764	768	740	713	694	684	686	692	693	692	687	688	701	702	711	0	11 12	778	15 16	682	96
11	✓			703	705	707	709	707	709	714	722	756	779	807	794	775	751	730	712	700	697	701	703	701	703	703	708	725	0	10 17	810	17 18	696	114
12	✓			707	706	706	711	712	714	713	728	759	772	791	786	770	747	728	716	707	706	710	714	714	714	713	710	727	0	10 16	794	23 25	704	90
13				715	714	707	708	712	709	715	710	746	784	794	798	780	740	708	688	688	694	711	713	708	710	715	711	724	1	9 50	808	16 16	681	127
14				714	714	711	714	716	725	738	748	765	767	786	797	778	769	738	721	704	696	699	697	697	700	701	704	729	1	11 52	806	19 52	693	113
15				709	710	710	713	717	718	720	726	746	771	763	774	761	747	722	703	704	705	697	703	705	705	706	704	722	1	11 16	782	18 44	692	90
16	✓			708	708	708	707	708	713	720	731	751	770	764	750	746	728	705	690	685	696	710	713	717	718	717	716	720	0	9 58	774	16 07	682	92
17	✓	✓		714	714	713	715	718	720	727	743	769	795	808	810	804	781	761	741	720	712	712	(711)	710	713	713	715	739	0	11 02	818	[20 05	708	110
18				716	717	717	717	721	726	738	756	779	792	778	756	740	728	744	738	725	725	725	(721)	720	721	722	723	735	0	9 52	796	0 00	715	81
19				724	728	729	731	726	728	735	742	765	783	798	792	756	737	723	720	713	711	712	712	714	716	717	717	735	1	10 48	812	16 13	709	103
20				717	719	719	719	720	727	738	755	771	779	783	778	758	746	724	723	720	715	713	711	710	715	716	716	733	0	10 05	789	20 19	709	80
21	✓	✓		716	718	718	720	718	720	725	739	755	774	792	780	770	751	723	710	708	708	710	711	715	714	714	714	730	0	10 50	797	17 45	706	91
22	✓	✓		713	713	711	715	717	724	735	744	756	765	769	760	745	737	721	718	718	716	715	715	719	718	716	718	728	0	10 20	773	2 54	710	63
23			✓	720	720	721	723	723	729	742	759	785	806	825	827	803	789	743	703	701	704	710	715	717	718	719	718	742	1	10 27	841	15 39	665	176
24			✓	714	706	723	731	720	721	713	698	711	729	734	751	731	726	722	700	703	704	704	702	704	703	705	702	715	1	10 50	775	7 53	666	109
25			✓	700	698	702	699	701	706	716	715	747	789	785	761	709	706	696	707	708	703	700	700	694	690	695	701	714	1	10 35	812	22 15	685	127
26			✓	695	700	705	711	704	702	716	736	765	784	826	799	779	773	759	722	688	678	681	679	693	691	701	700	724	2	10 53	871	17 00	672	199
27			✓	695	696	698	695	695	686	691	696	722	740	756	756	749	731	724	718	712	703	697	697	689	686	691	696	709	1	11 08	767	5 15	680	87
28				696	696	698	700	700	700	707	718	744	776	804	811	782	755	720	691	680	686	689	693	693	693	697	695	718	0	11 35	817	16 24	672	145
29				698	699	701	701	701	704	705	714	736	759	779	794	785	771	749	726	707	696	696	699	701	701	702	702	722	0	11 32	808	17 27	693	115
30				703	706	704	702	702	701	692	701	726	764	801	795	797	769	736	716	705	697	694	693	692	699	695	695	720	0	10 32	812	6 48	685	127
31	✓			695	701	701	702	703	703	699	701	726	763	793	813	811	790	760	729	712	703	701	703	703	705	701	701	726	0	11 48	820	0 00	691	129
MEANS ALL DAYS				708	709	710	711	711	714	720	730	752	770	778	772	756	741	726	714	707	704	704	704	705	706	707	708	724						104
MEANS TEN DAYS ✲				707	709	709	710	711	714	720	732	754	772	781	771	759	740	723	715	710	707	708	709	710	711	711	711	725						94
MEANS FIVE DAYS † (G. M. T.)				711	712	711	713	714	719	727	740	757	771	775	762	751	736	722	719	717	713	708 711	708 711	710	712	712	711	726						
MEANS FIVE DAYS ‡ (G. M. T.)				705	704	710	712	709	709	716	721	746	770	785	779	754	745	729	710	702	698	698	702	705	704	707	708	722						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 94

VERTICAL INTENSITY

JANUARY 1923

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1923

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			352	352	352	352	352	352	353	360	374	376	381	377	366	355	352	347	342	343	346	350	349	349	348	349	355	0	10 36	382	16 16	341	41
2				349	350	351	351	352	350	352	359	363	369	373	374	368	366	363	359	359	359	357	355	353	353	353	352	358	0	11 35	377	6 00	347	30
3	✓			352	352	352	352	353	349	352	361	365	371	372	370	370	366	358	353	349	349	351	352	352	352	350	350	356	0	10 15	374	16 26	348	26
4				350	350	351	352	353	353	354	358	361	361	370	368	364	359	358	354	352	353	353	354	353	353	351	352	356	0	10 28	371	0 25	349	22
5				352	352	352	352	353	352	352	355	357	357	358	356	344	340	333	323	327	339	348	351	351	351	349	349	348	0	10 06	359	16 08	322	37
6				349	349	350	352	352	350	353	359	366	370	366	362	362	361	353	348	353	356	356	356	354	354	353	352	356	0	9 58	371	15 32	345	26
7	✓	✓		352	352	365	353	353	352	349	350	355	358	357	352	343	344	347	348	348	350	353	354	353	353	353	353	352	0	9 35	359	12 37	341	18
8	✓	✓		353	353	353	353	354	353	353	356	352	343	345	341	336	335	335	338	340	345	349	352	349	349	349	349	347	0	7 56	357	14 03	333	24
9				349	349	349	349	351	350	348	348	357	366	374	373	367	360	349	344	340	344	345	350	352	352	352	352	353	0	11 03	377	16 17	337	40
10				349	350	351	351	352	352	349	351	355	354	353	352	344	341	342	345	349	352	352	353	353	353	353	352	350	0	9 37	356	14 06	340	16
11				350	351	351	351	353	353	355	358	361	363	365	362	361	362	358	357	353	351	351	354	354	353	353	352	356	0	10 26	366	0 12	349	17
12				352	352	352	352	353	352	353	357	362	366	363	352	339	333	340	345	344	345	348	352	352	352	352	352	351	0	9 39	367	13 27	332	35
13			✓	349	349	349	350	353	353	352	353	358	361	362	362	358	349	343	344	348	352	355	355	353	352	352	350	353	1	10 22	364	14 32	341	23
14				351	351	352	352	352	352	354	361	365	361	358	350	336	331	331	335	339	342	346	351	352	352	352	352	349	0	8 16	366	13 15	330	36
15				352	353	353	353	353	350	349	354	359	361	363	359	348	348	354	355	355	354	354	355	355	353	353	353	354	0	10 16	365	13 04	344	21
16				352	352	353	353	354	352	353	359	359	364	363	358	349	346	351	359	359	357	354	354	354	354	354	354	355	0	10 39	365	13 27	344	21
17				354	354	354	354	355	351	351	367	375	375	374	367	355	352	354	353	358	359	357	356	356	355	355	354	358	1	10 02	378	5 57	347	31
18	✓	✓		354	354	354	354	355	352	348	350	354	360	363	370	363	355	357	357	355	354	355	355	356	355	355	355	356	0	11 36	372	6 35	347	25
19	✓	✓		355	355	355	355	355	353	355	367	376	371	370	370	362	355	354	366	365	359	355	356	355	355	355	355	360	1	8 38	378	6 06	352	26
20			✓	354	354	355	356	355	353	353	354	360	367	371	369	360	358	364	367	366	363	357	358	356	356	356	355	359	2	10 45	375	13 00	351	24
21			✓	353	353	354	357	358	359	360	365	369	372	372	363	365	371	374	371	368	366	362	361	358	356	356	354	362	1	13 25	376	0 39	350	26
22				354	356	357	357	358	359	358	361	370	379	384	387	392	382	359	354	358	363	360	361	361	359	358	358	364	1	12 36	394	15 14	353	41
23				357	357	358	358	359	359	358	367	372	370	371	366	360	367	372	364	356	356	357	359	359	358	358	358	362	1	14 03	374	17 00	355	19
24				357	358	358	359	360	360	359	366	376	383	383	379	374	367	363	357	357	358	357	359	359	358	358	358	363	0	9 50	384	15 07	355	29
25	✓			358	358	358	359	361	362	363	365	365	367	366	360	353	354	358	357	353	350	353	354	355	355	355	356	358	0	9 58	369	17 17	348	21
26	✓			357	357	357	358	359	359	359	363	367	377	385	381	375	363	360	361	359	359	361	361	361	361	359	359	363	0	10 29	387	0 01	356	31
27	✓	✓		358	358	359	359	360	359	357	358	358	358	358	361	357	357	356	352	348	350	353	356	357	357	357	358	357	0	11 30	361	16 45	347	14
28	✓			358	358	358	358	359	358	359	363	363	363	366	368	368	370	367	362	358	358	358	358	358	358	358	358	361	0	13 45	374	6 05	356	18
29			✓	357	357	356	356	358	358	363	372	375	383	384	381	370	370	355	344	346	347	351	(353	353)	353	354	355	360	1	9 51	386	15 50	342	44
30			✓	355	354	355	355	355	355	353	355	357	359	358	362	359	361	358	352	350	352	353	356	357	357	357	357	356	1	11 07	363	15 35	349	14
31				357	357	357	358	358	357	357	360	357	356	356	354	353	357	361	361	360	357	354	(354	355)	354	355	356	357	0	14 34	362	12 53	352	10
MEANS ALL DAYS				353	353	354	354	355	354	354	359	363	366	367	365	359	356	354	353	352	353	354	355	355	354	354	354	356						26
MEANS TEN DAYS ✱				355	355	356	355	356	355	355	359	363	364	366	365	359	355	354	354	352	352	353	355	354	354	354	354	357						24
MEANS FIVE DAYS † (G. M. T.)				354	354	357	355	355	354	352	356	359	358	359	359	352	349	350	352	351	352	356 353	356 355	356	356	355	355	355						
MEANB FIVE DAYS ‡ (G. M. T.)				354	353	354	355	356	356	356	360	364	368	369	367	362	362	359	356	356	356	356	355	355	355	355	355	358						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 95

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1923

FEBRUARY 1923

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				355	355	355	356	357	355	353	357	358	359	358	360	360	356	349	342	344	349	350	354	354	354	354	355	354	0	9	37	361	16 00	340	21
2				355	355	355	355	356	355	355	362	366	366	367	369	358	351	352	355	353	353	355	354	354	354	355	356	357	1	11	35	371	14 26	349	22
3				356	356	357	357	358	357	353	352	□											□	353	352	352	352		0						
4	✓			354	354	355	355	357	355	354	361	369	371	360	359	360	351	349	345	347	349	353	355	354	354	354	353	355	1	9	31	374	15 29	344	30
5	✓			355	354	354	354	355	355	353	357	362	366	367	366	364	356	338	334	340	342	347	352	354	353	353	352	353	0	10	39	370	15 13	332	38
6				351	350	352	353	354	355	354	357	363	367	366	360	353	352	349	349	348	350	353	355	354	354	354	354	354	0	10	07	368	16 12	346	22
7				354	354	354	355	356	357	357	360	359	361	367	366	365	365	364	362	357	353	354	355	355	355	355	354	358	0	10	06	368	17 14	353	15
8				354	354	353	354	357	357	355	357	361	367	375	382	382	378	374	367	357	353	353	355	356	357	356	356	361	0	11	55	384	17 52	352	32
9	✓	✓		355	355	355	356	358	359	357	360	365	366	366	366	362	362	355	352	348	349	352	354	354	355	355	354	357	0	10	59	368	16 38	347	21
10				354	354	354	355	357	357	357	361	367	372	374	370	366	366	357	348	348	351	354	357	357	357	358	357	359	1	10	47	375	15 59	347	28
11				357	357	357	357	358	359	356	357	359	362	363	364	362	363	365	363	355	353	353	354	355	355	356	355	358	0	14	37	366	17 41	352	14
12	✓	✓		356	356	357	357	357	357	355	354	357	358	361	365	365	365	367	361	354	353	354	356	357	357	357	357	358	1	11	45	368	17 07	352	16
13	✓	✓		357	357	358	358	358	357	355	357	358	359	362	365	373	367	359	355	356	357	357	356	356	357	357	357	359	1	12	43	374	6 11	354	20
14				357	357	358	359	360	359	358	359	361	364	365	362	360	357	357	357	353	353	354	357	357	357	357	357	358	0	10	33	365	16 44	351	14
15				357	358	358	358	359	358	357	362	365	373	377	373	370	373	370	366	357	355	355	357	357	357	357	357	362	1	10	28	379	17 11	354	25
16				358	359	359	359	359	360	357	358	357	353	354	350	349	355	354	350	350	353	356	357	357	357	357	357	356	1	5	40	361	12 25	347	14
17			✓	357	358	358	360	360	360	360	365	367	372	378	375	368	362	358	362	364	363	362	362	359	357	357	356	362	1	10	50	380	14 03	356	24
18				355	355	354	357	360	360	357	357	357	362	366	368	366	366	365	362	357	357	358	360	360	360	360	360	360	1	10	50	369	2 00	352	17
19				359	359	359	359	360	361	361	362	361	367	369	368	367	366	364	359	353	354	355	359	358	357	357	356	360	0	10	11	371	16 39	352	19
20	✓			357	358	359	360	361	360	358	355	358	360	366	369	370	372	369	361	356	352	354	356	356	356	356	356	360	0	13	58	373	17 42	350	23
21	✓	✓		358	358	358	359	360	361	358	358	363	368	374	371	365	367	365	359	356	356	356	357	356	356	357	357	361	0	10	28	375	18 28	355	20
22	✓			357	358	358	360	361	361	361	363	370	375	376	373	366	361	360	354	353	355	356	359	359	359	359	359	361	0	10	13	378	16 47	352	26
23	✓	✓		360	360	360	360	361	361	358	354	355	359	356	355	359	361	359	358	354	354	353	355	355	357	357	356	357	0	13	24	362	17 27	352	10
24	✓			358	358	359	360	361	359	355	355	357	359	363	367	371	377	374	371	365	361	360	359	358	358	357	358	362	0	13	18	378	22 35	353	25
25			✓	356	356	356	358	361	360	360	362	367	374	376	370	362	361	359	353	353	355	355	359	359	356	357	359	360	2	10	36	379	16 02	350	29
26			✓	359	359	359	362	362	361	358	355	355	356	358	358	358	360	362	361	358	359	359	(358 | 361)	361	361	361	359	2	14	26	363	10 20	355	8
27			✓	360	358	359	362	363	363	360	360	363	364	367	367	366	367	365	360	355	358	359	361	360	361	362	361	362	2	13	36	370	16 29	354	16
28			✓	360	361	362	362	362	363	361	360	362	360	359	358	355	362	360	359	359	358	356	(358 | 359)	359	358	358	360	1	13	17	364	12 27	353	11
29																																			
30																																			
31																																			
MEANS ALL DAYS a)				356	357	357	358	359	359	357	359	362	364	366	366	364	363	360	356	354	354	355	357	357	357	357	357	359							a) 21
MEANS TEN DAYS ✻				357	357	357	358	359	358	356	357	361	364	365	366	366	364	360	355	353	353	354	356	356	356	356	356	358							23
MEANS FIVE DAYS † (G. M. T.)				357	357	358	358	359	359	357	357	360	362	364	364	365	364	361	357	354	354	354 356 354 356		357	357	357	357	358							
MEANS FIVE DAYS ‡ (G. M. T.)				358	358	359	361	362	361	360	360	363	365	368	366	362	362	361	359	358	359	358	359	359	359	359	359	361							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 3

TABLE 96

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1923 — MARCH 1923

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				358	359	360	361	361	362	360	356	356	357	356	357	361	366	364	356	354	356	359	360	360	360	361	361	359	0	13 49	369	16 32	353	16
2				361	361	361	361	362	362	362	363	362	362	362	360	359	361	359	356	353	352	353	357	357	357	359	360	359	0	10 24	364	17 11	351	13
3				360	360	361	361	362	361	360	359	360	363	365	365	361	359	360	361	365	361	361	361	361	361	361	361	361	0	10 15	367	13 15	358	9
4				361	361	361	362	362	362	361	361	359	359	360	358	356	358	357	354	355	356	357	360	360	361	361	361	359	0	5 26	363	15 26	353	10
5	✓			361	361	361	362	362	362	361	364	364	366	366	366	364	365	360	358	358	358	360	361	361	361	361	361	362	0	11 45	368	16 22	357	11
6	✓			361	361	361	362	363	363	361	362	360	357	358	361	365	364	361	361	363	363	362	362	362	361	361	361	362	0	13 07	366	9 30	356	10
7				361	361	361	361	361	361	360	361	364	366	369	369	369	373	369	366	363	361	359	361	361	361	361	361	363	0	13 08	375	18 10	358	17
8		✓		361	361	361	363	364	364	364	364	364	366	369	370	369	369	368	363	360	361	361	362	362	362	362	362	364	0	11 21	371	16 43	359	12
9	✓	✓		362	362	363	363	364	365	365	369	371	374	378	380	381	378	371	365	361	360	361	362	362	362	362	362	367	0	12 42	382	17 38	359	23
10	✓	✓		362	362	362	363	364	364	363	362	361	362	364	364	364	362	361	358	357	359	361	363	362	362	362	363	362	0	11 19	365	16 30	356	9
11	✓	✓		362	362	362	363	363	364	362	361	361	359	361	364	369	370	369	366	362	362	361	361	361	362	362	362	363	0	13 56	371	9 34	358	13
12	✓			363	363	363	363	365	365	363	364	368	369	370	372	375	379	376	369	366	363	361	362	362	362	362	362	366	0	13 55	380	18 11	360	20
13	✓			362	363	362	363	366	365	361	361	361	362	367	370	368	369	369	368	366	365	365	365	365	365	365	365	365	0	11 05	372	8 33	360	12
14				365	365	365	365	366	365	365	367	368	369	370	370	367	367	361	360	358	357	361	362	362	362	363	363	364	0	11 12	371	17 07	356	15
15			✓	363	362	363	363	365	365	365	366	370	371	370	369	366	367	366	364	361	361	362	364	363	364	364	364	365	1	10 20	372	16 29	359	13
16				364	363	365	367	367	365	363	365	370	374	373	370	366	362	364	364	364	364	364	364	364	365	366	367	366	0	10 00	375	15 45	362	13
17				367	366	366	367	367	367	367	368	373	375	375	375	375	378	381	379	374	370	368	367	367	367	367	367	371	0	15 00	383	6 45	365	18
18				366	366	367	367	368	368	367	367	370	371	374	374	375	375	375	374	368	367	367	367	367	367	367	367	369	0	13 07	376	17 00	365	11
19	✓			367	367	367	368	368	368	369	373	378	382	380	378	374	371	369	367	367	367	367	367	367	367	367	368	370	0	9 35	383	16 12	366	17
20				368	368	368	369	370	370	369	371	379	384	384	382	376	374	372	367	365	366	366	367	367	367	367	368	371	0	10 02	385	17 12	363	22
21				368	368	368	369	369	369	368	368	373	375	375	375	374	371	368	365	363	364	366	367	367	367	368	368	369	0	10 40	376	17 10	363	13
22	✓			368	368	369	370	370	370	370	371	373	373	372	370	373	373	369	364	362	364	366	367	368	368	368	368	369	0	9 04	375	16 27	362	13
23	✓	✓		368	369	370	370	370	370	370	375	380	383	381	383	383	380	372	362	360	362	365	367	368	369	368	367	371	0	11 50	383	16 25	359	24
24			✓	368	368	369	370	370	370	370	372	375	376	377	376	372	370	366	360	354	357	362	365	363	363	369	370	368	2	10 07	382	16 35	352	30
25			✓	371	371	372	370	371	372	371	373	376	380	384	387	387	376	363	358	356	359	366	369	369	369	369	369	371	2	11 58	389	16 21	356	33
26			✓	369	370	371	371	371	370	368	371	372	374	376	379	381	380	376	370	363	363	367	(369	368)	367	367	367	371	1	12 45	383	16 57	361	22
27			✓	367	367	367	368	368	369	371	374	375	376	380	384	384	380	379	373	364	363	366	368	368	368	368	368	371	1	11 36	386	16 55	363	23
28				368	370	369	369	369	370	367	363	363	363	361	364	367	364	362	363	365	367	366	(366	367)	366	364	365	366	0	1 15	371	14 32	361	10
29				366	366	367	367	369	369	369	371	371	371	373	375	369	362	357	355	357	359	363	366	366	366	366	366	366	0	11 42	376	15 06	354	22
30				365	366	367	366	369	369	369	374	378	379	382	390	387	379	375	373	370	366	366	367	368	368	368	368	372	0	11 55	392	0 12	364	28
31				368	368	368	368	369	369	368	367	367	367	369	369	365	364	366	371	372	369	367	366	367	367	369	370	368	0	16 03	374	12 50	362	12
MEANS ALL DAYS				365	365	365	366	366	366	365	367	368	370	371	372	371	370	367	364	362	362	363	364	364	364	365	365	366						17
MEANS TEN DAYS ✻				364	364	364	365	366	366	364	366	368	369	370	371	372	371	368	364	362	362	363	364	364	364	364	364	366						15
MEANS FIVE DAYS † (G. M. T.)				363	363	364	364	365	365	365	366	367	369	371	372	373	372	368	363	360	361	362 362	363 363	363	363	363	363	365						
MEANS FIVE DAYS ‡ (G. M. T.)				368	368	368	368	369	369	369	371	374	375	377	379	378	375	370	365	360	361	365	366	366	366	367	367	369						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 97

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1923 — APRIL 1923

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			369	368	369	369	370	370	367	366	367	367	368	367	365	362	361	365	370	369	368	367	366	367	367	368	367	0	5 30	370	14 08	360	10
2	✓	✓		370	368	370	370	372	372	372	372	372	370	368	372	371	363	359	362	363	365	367	368	368	369	369	368	368	0	11 57	375	14 17	359	16
3				368	369	369	370	370	371	371	373	378	384	386	388	386	380	376	373	372	372	372	371	371	371	371	371	374	0	11 35	390	2 10	367	23
4				372	372	372	372	373	373	372	373	376	377	379	385	384	373	365	361	365	367	368	370	370	371	371	371	372	0	12 08	386	15 56	360	26
5	✓	✓		371	371	371	372	372	372	372	371	372	374	378	383	384	384	380	376	372	372	372	372	372	372	371	371	374	0	12 45	385	8 00	370	15
6	✓			372	373	373	373	372	372	372	372	373	373	376	377	380	376	371	368	367	367	368	369	369	370	370	370	372	0	12 10	381	17 08	366	15
7				371	371	371	371	372	372	372	373	375	372	368	367	366	367	368	364	363	366	368	368	368	368	368	370	369	0	8 48	375	16 11	362	13
8				369	368	368	370	371	371	372	373	372	373	374	378	378	372	367	364	363	365	368	368	370	371	370	370	370	1	12 14	380	16 37	363	17
9				369	369	369	370	370	370	370	369	370	368	368	373	374	368	363	361	364	369	371	370	370	371	371	370	369	1	11 55	375	15 20	359	16
10				371	370	371	371	372	372	372	374	373	374	374	371	370	369	364	358	359	363	366	370	371	371	371	370	369	1	10 25	375	16 24	357	18
11				371	371	370	369	371	373	373	373	375	378	380	382	384	381	370	361	363	363	368	370	370	371	370	370	372	1	13 20	386	15 45	360	26
12			✓	370	371	372	372	373	372	370	365	361	358	359	358	361	361	368	374	374	373	372	373	373	373	371	372	369	1	16 07	376	9 46	357	19
13			✓	373	373	373	373	374	374	374	372	368	365	361	361	361	363	362	365	366	366	370	371	370	373	371	371	369	1	5 44	375	11 00	360	15
14				372	372	373	373	374	374	373	374	374	371	367	366	366	365	363	361	366	371	371	371	371	371	372	373	370	0	8 24	375	15 25	360	15
15				371	373	374	374	374	374	373	372	374	375	376	376	376	376	378	377	375	374	372	372	373	373	373	373	374	0	14 33	380	7 39	371	9
16	✓			375	375	375	375	376	376	376	377	379	382	384	384	384	382	377	375	374	375	374	374	375	375	375	374	377	0	11 00	385	16 07	373	12
17	✓	✓		375	375	375	375	377	377	379	382	382	383	381	379	379	375	374	371	367	369	371	373	373	374	374	374	376	0	9 32	384	16 40	366	18
18				375	375	376	376	376	376	379	382	380	376	372	370	365	359	356	358	364	370	372	373	374	374	373	373	372	0	7 25	383	14 55	355	28
19				373	374	374	375	376	377	377	379	381	382	382	383	381	376	370	363	363	369	371	372	373	374	374	372	375	1	11 04	384	16 02	361	23
20				373	373	374	375	376	377	378	378	378	377	376	377	379	377	372	368	371	374	373	373	373	371	373	372	374	1	12 52	379	15 36	367	12
21			✓	374	375	377	377	378	378	380	383	386	383	380	378	374	374	373	371	371	371	373	371	374	376	374	375	376	1	8 35	387	17 12	370	17
22			✓	374	377	378	378	378	379	382	383	383	383	380	377	369	368	369	370	371	373	374	373	374	374	377	376	376	0	9 14	384	12 56	366	18
23			✓	377	377	377	377	378	378	380	380	378	376	374	374	373	373	373	367	367	369	372	(372	371)	375	375	373	374	0	6 27	381	16 44	366	15
24				374	374	374	375	376	378	376	380	380	377	374	378	379	376	374	370	368	368	368	370	370	370	370	370	374	0	7 36	380	15 45	367	13
25	✓			371	371	371	372	374	374	375	374	375	375	375	373	370	370	366	362	364	365	367	(371	371)	372	372	373	371	0	9 48	376	15 40	361	15
26	✓	✓		373	373	374	374	374	374	375	378	384	390	391	391	388	385	378	373	368	367	368	370	370	372	372	373	376	0	10 02	392	17 32	366	26
27	✓	✓		373	374	374	374	375	375	374	373	375	381	387	387	385	384	382	376	372	371	372	373	374	374	374	374	376	0	11 15	389	16 47	370	19
28	✓			375	375	375	376	376	376	379	382	383	384	384	382	382	384	380	370	366	368	372	374	374	374	374	374	377	0	10 13	385	16 47	365	20
29				377	376	376	376	376	377	377	374	371	370	371	375	382	384	379	376	371	371	373	374	374	375	375	375	375	0	13 28	386	16 55	369	17
30				375	376	377	377	377	379	380	380	374	371	372	374	374	371	370	370	371	371	371	373	374	374	374	374	374	0	7 23	382	15 10	368	14
31																																		
MEANS ALL DAYS				372	373	373	373	374	374	375	375	376	376	375	376	376	373	370	368	368	369	370	371	372	372	372	372	373						17
MEANS TEN DAYS ✻				372	372	373	373	374	374	374	375	376	378	379	380	379	376	373	370	368	369	370	371	371	372	372	372	373						17
MEANS FIVE DAYS † (G. M. T.)				372	372	373	373	374	374	374	375	377	380	381	382	381	378	375	372	368	369	369 370 370	370 371	370	371	371	372	374						
MEANS FIVE DAYS ‡ (G. M. T.)				374	375	375	375	376	376	377	377	375	373	371	370	368	368	369	369	370	370	372	372	373	373	373	373	373						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 98

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1923

MAY 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1	✓	✓		375	375	375	375	376	376	377	377	380	384	384	380	377	379	382	380	374	375	375	375	376	376	376	375	377	0	10 04	386	16 32	372	14
2	✓			376	376	376	376	377	377	375	372	372	373	372	376	378	380	383	383	380	376	375	375	375	375	374	374	376	1	15 40	384	10 35	371	13
3			✓	376	376	376	377	378	378	379	377	374	374	375	376	380	375	373	371	371	370	372	376	375	375	376	376	375	1	12 20	381	17 56	369	12
4				376	376	376	377	378	378	379	382	383	381	375	368	373	373	368	368	370	372	371	372	375	375	375	375	375	0	8 29	384	11 41	367	17
5				377	377	378	378	378	379	379	380	382	384	389	389	386	383	378	375	372	375	376	377	377	377	377	377	379	0	11 22	390	16 09	371	19
6	✓			377	378	378	378	379	380	380	380	382	387	389	388	381	376	371	368	370	373	374	376	376	376	377	377	378	0	10 37	391	15 02	368	23
7				378	378	379	379	379	380	379	380	384	396	403	409	406	392	386	379	373	373	373	373	372	373	373	373	382	0	12 05	411	17 30	371	40
8				374	374	376	376	377	377	377	374	370	366	364	365	365	366	370	368	369	369	369	373	373	374	374	373	371	0	6 27	379	10 38	362	17
9				373	374	374	374	373	373	376	379	379	380	380	380	384	382	379	373	369	368	369	370	371	372	373	372	375	0	12 52	385	17 02	367	18
10	✓			371	372	373	373	373	373	374	374	374	373	373	375	381	380	376	370	366	367	370	371	372	372	372	372	373	0	12 32	383	16 35	365	18
11				372	373	373	373	373	374	375	378	378	377	379	383	386	390	383	376	369	369	369	370	370	371	371	372	375	0	13 30	392	17 04	368	24
12	✓	✓		373	373	374	374	374	375	377	374	370	367	366	367	373	375	374	371	370	369	369	371	371	372	372	372	372	0	6 26	378	11 17	366	12
13	✓	✓		373	374	374	374	374	374	375	372	367	365	367	373	374	376	372	369	366	369	370	369	370	371	371	373	371	0	13 30	378	9 45	364	14
14				373	374	375	375	374	375	377	378	377	372	371	372	376	377	376	371	370	370	370	371	371	371	372	372	373	0	7 52	379	18 12	368	11
15				373	374	374	374	374	374	377	379	380	382	378	369	360	358	351	347	351	360	366	370	370	370	371	371	369	0	9 32	382	15 34	346	36
16				372	373	373	373	374	374	375	375	373	371	367	371	375	377	376	370	370	371	370	372	373	373	373	374	373	1	14 05	378	10 20	366	12
17			✓	374	375	374	375	377	377	376	370	369	371	369	369	371	374	372	367	367	370	367	372	374	372	372	374	372	1	6 20	379	16 28	364	15
18			✓	376	378	379	379	379	379	383	383	383	380	376	376	378	381	388	387	378	372	372	375	375	375	376	376	378	1	14 53	389	17 54	371	18
19				376	377	378	378	378	379	380	379	376	376	378	(383)	385	382	377	371	370	372	373	375	376	377	377	376	377	1	12 35	385	16 30	369	16
20				377	377	378	378	378	378	378	377	374	373	377	381	382	383	379	371	369	371	372	375	377	378	378	377	377	1	13 33	384	16 28	369	15
21	✓			377	377	377	378	378	379	378	376	372	373	372	372	374	374	373	369	369	372	373	375	377	377	377	377	375	1	6 10	380	16 08	367	13
22	✓	✓		377	377	377	377	377	377	378	381	380	381	383	387	390	387	380	373	367	370	372	374	376	376	376	377	378	1	13 05	390	16 32	367	23
23				377	377	377	377	377	377	377	378	378	380	384	383	383	384	385	381	377	376	377	377	378	378	378	378	379	0	14 40	387	17 08	375	12
24	✓	✓		378	379	379	379	379	380	382	385	384	383	384	386	385	380	382	384	380	374	376	377	378	378	378	378	380	0	12 02	386	17 27	373	13
25				378	379	380	380	381	381	381	381	379	376	373	373	378	381	380	376	371	374	375	376	377	377	377	377	378	1	7 30	383	17 00	370	13
26				378	378	378	378	379	379	383	381	377	375	374	377	379	379	377	371	371	371	373	375	376	377	377	377	377	0	6 40	384	17 10	370	14
27				378	378	378	378	379	380	382	378	372	373	374	376	376	378	381	380	371	370	374	375	376	376	377	378	377	0	6 28	383	17 17	369	14
28	✓			378	378	378	378	379	379	382	381	381	381	384	389	389	389	392	386	378	374	375	377	377	377	378	378	381	1	14 25	393	17 21	373	20
29			✓	378	379	379	379	379	381	386	385	381	377	381	386	383	378	379	379	378	376	375	376	378	377	378	379	379	1	12 00	388	14 15	373	15
30			✓	381	382	383	384	381	382	385	382	379	379	382	385	382	381	382	383	381	378	379	379	380	379	379	379	381	0	6 45	387	9 42	377	10
31				379	380	381	382	382	383	385	383	377	374	376	380	384	384	383	381	375	377	378	379	379	380	380	380	380	0	6 48	387	9 50	374	13
MEANS ALL DAYS				376	376	377	377	377	378	379	378	377	377	377	379	380	379	378	374	371	372	373	374	375	375	375	375	376						17
MEANS TEN DAYS ✲				376	376	376	376	377	377	378	377	376	377	377	379	380	380	378	375	372	372	373	374	375	375	375	375	376						16
MEANS FIVE DAYS † (G. M. T.)				375	376	376	376	376	376	378	378	376	376	377	379	380	379	378	375	371	371	372 372	373 373	374	374	374	375	376						
MEANS FIVE DAYS ‡ (G. M. T.)				377	378	378	379	379	379	382	379	377	376	377	378	379	378	379	377	375	373	373	374	375	375	375	376	377						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 99

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1923 — JUNE 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			380	380	381	381	382	382	383	383	381	381	382	383	382	382	387	385	381	378	379	379	379	379	379	380	381	0	14 58	388	17 30	378	10
2	✓			380	380	381	382	382	382	383	382	380	381	384	388	391	386	384	380	377	377	379	380	380	380	380	380	382	1	12 20	392	16 57	377	15
3				381	382	382	383	383	383	384	385	384	386	394	395	390	388	385	381	378	377	379	381	381	382	383	381	384	1	11 00	398	16 55	376	22
4			✓	380	380	381	383	383	383	384	386	386	386	384	386	386	385	381	378	377	378	380	381	383	381	381	380	382	1	12 00	389	17 00	376	13
5				377	383	383	383	383	383	386	387	385	383	381	383	384	380	378	375	375	377	380	381	381	381	382	382	381	1	7 05	388	15 58	374	14
6				383	383	383	384	384	383	386	385	385	383	384	383	383	384	380	380	378	377	380	382	382	382	382	382	382	1	6 35	387	17 23	376	11
7				382	382	383	383	385	385	387	384	382	381	381	381	384	384	387	389	386	381	382	383	383	383	383	383	384	0	15 20	390	11 12	380	10
8				385	385	385	385	385	386	388	387	382	381	384	387	389	389	390	390	382	381	383	384	384	384	384	384	385	0	15 11	392	17 15	380	12
9	✓	✓		384	385	385	386	386	386	389	387	384	382	381	389	397	403	400	393	381	378	382	383	384	384	384	385	387	0	13 30	404	17 08	376	28
10	✓	✓		385	385	385	386	386	387	390	389	386	383	381	386	392	396	397	388	376	378	381	382	384	384	385	385	386	1	14 32	398	16 48	375	23
11				385	386	387	388	387	387	389	385	380	377	376	380	384	386	386	387	382	382	384	384	384	384	384	385	384	1	6 28	390	10 31	375	15
12				385	386	386	386	387	387	390	386	381	381	382	385	388	386	387	386	381	381	381	379	383	382	385	384	384	1	6 35	392	18 20	378	14
13			✓	386	387	388	387	387	389	389	387	381	379	374	376	375	377	381	382	381	382	383	384	385	385	385	386	383	1	5 33	391	10 29	372	19
14			✓	387	387	387	388	388	388	390	390	387	383	382	383	385	385	382	383	382	383	385	386	386	386	387	387	386	1	6 45	392	14 20	380	12
15				387	387	388	388	388	388	390	390	385	382	382	382	382	382	382	380	378	381	383	385	386	386	386	386	385	1	6 58	390	16 39	378	12
16				387	387	387	387	387	387	387	387	383	378	377	377	380	376	381	376	376	380	383	385	386	386	386	386	383	0	7 25	388	13 32	375	13
17	✓	✓		386	386	386	386	386	386	387	387	382	375	372	369	372	374	373	373	374	380	383	385	385	385	385	385	381	0	7 29	388	11 54	369	19
18	✓	✓		385	386	386	386	386	386	386	385	380	381	382	386	393	390	387	377	375	380	384	(386	385)	383	383	384	384	0	12 30	395	16 26	373	22
19				384	385	386	386	386	386	386	386	382	378	376	383	386	384	378	376	376	380	383	384	385	385	386	386	383	1	12 42	387	16 00	375	12
20				385	385	385	385	386	386	387	387	384	384	378	378	382	378	377	378	378	383	384	(387	387)	389	388	387	384	1	7 00	388	11 18	376	12
21			✓	387	387	388	387	387	389	388	390	386	379	378	381	379	379	374	374	378	382	383	386	387	387	387	387	384	1	7 18	391	14 50	373	18
22				386	386	386	387	386	387	388	387	382	378	376	379	378	374	373	375	376	382	383	386	386	386	386	386	382	1	6 44	389	14 05	370	19
23	✓			387	387	387	387	387	388	388	387	387	386	384	381	383	383	383	379	378	382	383	385	386	386	386	387	385	0	6 51	389	16 04	377	12
24	✓	✓		388	388	388	388	388	388	388	388	386	385	381	387	388	392	390	384	378	380	384	387	387	387	387	388	386	0	13 42	392	16 31	377	15
25	✓			388	388	388	389	389	389	392	392	389	380	383	383	387	387	388	384	379	381	384	387	387	388	388	389	387	0	7 04	393	16 40	379	14
26				389	390	390	390	390	391	392	390	389	390	391	389	391	392	392	387	384	384	385	388	389	389	390	390	389	1	13 31	393	17 20	383	10
27				389	389	391	391	392	391	395	392	387	380	382	386	387	383	380	379	378	384	388	390	390	390	391	390	387	1	6 42	397	16 32	377	20
28				391	391	392	392	392	393	394	396	394	390	386	391	393	393	392	388	385	387	388	389	390	390	391	391	391	0	7 07	397	16 31	385	12
29	✓			392	391	391	392	392	392	392	391	386	384	385	389	386	387	387	385	384	388	389	390	391	392	392	392	389	1	7 03	393	16 20	383	10
30			✓	393	393	393	393	393	394	393	391	383	381	381	385	390	389	390	386	384	385	386	388	391	392	391	390	389	1	3 30	396	9 49	379	17
31																																		
MEANS ALL DAYS				385	386	386	387	387	387	388	388	384	382	381	384	386	385	384	382	379	381	383	385	385	385	386	386	385						15
MEANS TEN DAYS ✲				386	386	386	386	386	387	388	387	384	382	382	384	387	388	388	383	378	380	383	384	385	385	385	386	385						17
MEANS FIVE DAYS † (G. M. T.)				386	386	386	386	386	387	388	387	384	381	379	383	388	391	389	383	377	379	383 383	384 385	385	385	385	385	385						
MEANS FIVE DAYS ‡ (G. M. T.)				387	387	387	388	388	389	389	389	385	382	380	382	383	383	382	381	380	382	383	384	385	386	387	386	385						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 100

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1923 — JULY 1923

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				391	391	391	391	393	393	394	395	393	389	391	399	401	396	390	386	386	389	390	391	391	391	392	391	392	0	12 28	403	15 56	385	18
2				391	391	391	392	393	394	397	395	390	383	384	386	386	379	381	383	384	386	389	390	391	391	391	391	389	0	6 45	399	13 34	377	22
3				390	391	391	391	393	394	395	399	400	396	391	390	385	381	380	379	382	387	390	391	392	392	392	392	390	0	8 21	401	15 15	378	23
4	✓			393	394	394	394	394	394	394	395	391	388	386	394	392	387	386	382	382	386	390	391	392	392	392	392	391	0	7 18	396	16 12	381	15
5	✓	✓		392	392	392	393	394	394	395	394	387	382	382	386	386	389	391	389	386	386	390	390	391	391	391	391	390	0	6 40	395	10 16	382	13
6				392	392	392	392	394	394	395	399	400	400	391	390	391	391	388	391	395	395	395	392	392	392	391	392	393	1	8 01	402	14 25	387	15
7			✓	392	394	394	394	394	394	398	398	396	397	399	398	400	401	395	388	387	387	390	391	392	392	393	392	394	1	13 07	403	15 54	386	17
8				393	394	394	395	395	395	397	399	396	398	401	400	401	402	400	394	390	389	391	393	393	394	394	395	396	0	12 38	403	17 27	388	15
9				395	395	395	395	395	395	396	397	399	399	398	394	395	395	392	389	387	388	390	392	394	393	395	395	394	0	8 30	400	16 47	387	13
10			✓	395	395	395	395	396	397	400	395	394	392	397	403	404	396	396	390	390	391	392	393	395	396	396	395	395	1	12 33	406	15 59	388	18
11			✓	396	396	396	396	396	396	398	398	393	387	388	392	395	392	391	389	387	390	392	393	395	395	396	396	393	0	6 42	400	16 24	386	14
12				396	396	396	396	396	396	397	396	392	392	395	396	398	401	399	393	393	393	393	395	395	395	395	395	395	0	13 28	403	8 58	391	12
13				397	397	397	397	397	397	399	400	398	394	391	389	391	390	394	393	391	393	393	394	395	396	396	396	395	0	6 55	401	13 00	389	12
14	✓	✓		396	396	397	397	396	397	399	400	400	396	395	400	399	393	392	392	392	394	394	395	395	396	396	396	396	0	11 40	402	15 51	390	12
15	✓	✓		396	396	397	397	397	397	397	396	395	394	394	396	399	401	402	402	397	396	396	396	396	397	397	398	397	0	14 00	403	9 40	393	10
16	✓			398	398	398	398	398	398	401	404	401	398	396	396	396	396	397	398	394	392	394	396	396	396	396	396	397	0	7 35	405	17 22	390	15
17				397	397	397	397	397	398	399	396	394	391	394	399	402	403	404	396	391	392	394	396	397	397	397	398	397	0	14 17	406	16 10	391	15
18			✓	400	399	399	400	401	401	400	397	395	395	401	400	397	393	390	390	391	394	395	(397)	396	395	396	395	397	1	10 52	404	15 00	389	15
19				394	394	395	396	397	397	397	400	404	405	411	415	410	405	400	394	393	392	393	(395)	397	399	399	398	399	0	11 33	417	17 30	392	25
20				399	399	399	400	400	400	400	399	404	410	411	413	411	408	407	401	395	395	397	399	399	399	399	399	402	0	11 34	414	17 03	394	20
21	✓	✓		399	399	399	400	400	400	400	399	392	389	390	395	398	399	395	391	391	393	395	398	399	399	399	399	397	0	3 35	400	9 12	388	12
22				399	399	399	399	399	399	399	399	397	397	398	403	407	410	402	398	396	394	397	398	398	399	399	399	399	0	13 12	411	17 24	394	17
23			✓	400	404	404	403	404	404	404	402	398	396	398	400	404	404	398	393	391	395	397	400	400	400	400	401	400	1	13 03	406	16 12	390	16
24	✓	✓		401	401	401	401	402	403	403	404	403	401	401	402	408	408	404	400	397	398	400	400	400	401	401	401	402	0	12 42	411	16 13	396	15
25	✓			401	401	401	401	401	401	401	400	395	392	394	402	400	393	394	393	392	394	398	400	400	400	400	400	398	0	11 43	405	8 59	391	14
26	✓			400	400	401	401	401	401	403	401	399	399	400	401	404	407	404	395	395	396	398	398	399	400	401	401	400	0	13 55	408	16 07	394	14
27				401	401	402	402	403	403	402	399	396	395	396	402	404	404	400	395	394	397	398	399	401	401	401	400	400	0	12 15	406	16 00	392	14
28				401	401	402	403	(405	407	409	410)	412	412	412	416	413	406	401	398	396	396	399	399	400	402	401	401	404	0	11 32	417	16 55	395	22
29				401	402	403	404	404	404	404	404	406	405	399	397	395	399	396	392	393	396	397	399	399	400	401	401	400	0	9 17	409	15 29	391	18
30	✓			401	401	402	402	403	403	404	404	405	404	402	403	405	406	403	398	395	395	398	399	400	401	401	402	402	0	13 35	407	17 15	393	14
31				401	401	402	402	403	403	404	404	402	402	406	406	406	406	407	409	406	402	400	401	401	402	402	402	403	0	15 27	410	18 10	399	11
MEANS ALL DAYS				397	397	397	398	398	398	399	399	398	396	397	399	399	398	396	393	392	393	394	396	396	397	397	397	397						16
MEANS TEN DAYS ✱				398	398	398	398	399	399	400	400	397	394	394	398	399	398	397	394	392	393	395	396	397	397	397	398	397						13
MEANS FIVE DAYS (G. M. T.) †				397	397	397	398	398	398	399	399	395	392	392	396	398	398	397	395	393	393	394 395	396 396	396	397	397	397	396						
MEANS FIVE DAYS (G. M. T.) ‡				397	398	398	398	398	398	400	398	395	393	397	399	400	397	394	390	389	391	393	394	395	395	396	396	396						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 101

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1923

AUGUST 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		403	404	404	404	404	405	405	402	399	399	405	410	412	408	402	401	400	397	400	402	402	402	402	402	403	0	12 20	414	17 25	396	18
2	✓			404	404	405	405	405	405	405	405	402	402	399	397	403	403	393	391	392	395	400	403	402	403	405	405	401	0	6 00	406	16 00	390	16
3			✓	406	405	405	405	406	406	407	410	412	409	405	404	402	391	384	384	389	394	400	401	402	403	402	401	401	1	8 17	413	15 13	383	30
4			✓	401	405	405	405	405	405	406	409	414	412	408	410	405	402	402	401	402	403	403	403	404	405	405	405	405	0	8 40	415	0 02	399	16
5				404	405	405	405	405	405	406	407	410	411	406	408	408	400	393	393	394	398	401	402	402	403	403	404	403	0	9 22	413	15 23	392	21
6			✓	404	404	404	406	406	406	407	410	410	405	407	409	409	403	396	394	396	398	402	405	406	406	406	406	404	1	8 17	412	15 11	392	20
7				406	406	406	407	407	407	407	408	408	407	406	405	410	402	393	394	397	401	403	403	403	404	404	405	404	0	12 26	411	14 40	392	19
8				405	405	406	406	406	406	406	406	407	409	412	416	417	410	403	402	403	403	404	404	405	405	406	406	407	0	11 57	418	15 00	401	17
9				406	406	406	406	407	407	410	410	408	406	406	408	409	409	404	405	406	403	404	405	405	405	406	406	406	0	11 57	410	14 37	402	8
10	✓			406	406	406	406	407	408	412	410	400	392	385	391	396	398	398	400	398	398	401	402	403	403	403	404	401	0	6 41	414	10 26	384	30
11	✓			406	406	406	407	407	407	410	408	404	399	400	402	402	402	402	403	404	404	405	407	406	406	406	406	405	0	6 46	411	9 47	398	13
12				406	407	407	408	408	409	411	405	401	396	396	400	401	396	399	405	405	403	404	404	405	406	406	406	404	1	6 19	412	13 43	395	17
13			✓	407	407	408	409	408	409	410	406	402	399	401	404	406	407	403	398	402	403	404	406	406	406	406	405	405	1	6 34	411	15 30	394	17
14				404	406	406	407	408	409	411	411	404	398	396	398	399	399	404	406	404	403	404	404	404	404	405	406	404	0	7 08	414	9 55	395	19
15				406	406	407	407	408	409	409	409	409	406	401	396	395	396	395	396	398	402	405	406	406	406	406	406	404	0	8 04	411	12 30	393	18
16	✓			407	407	408	408	409	410	411	410	410	410	410	410	408	407	402	401	401	402	403	406	407	407	407	408	407	0	6 52	412	16 27	400	12
17				408	409	409	409	409	409	410	411	416	(415	413)	412	411	409	406	402	402	402	405	(407	407)	400	404	405	408	0	[9 00	418]	15 42	401	[17]
18	✓	✓		405	406	406	408	408	408	408	409	413	415	414	412	409	408	409	409	409	406	406	(406)	405	406	406	406	408	0	10 05	416	0 00	404	12
19				406	406	407	408	408	410	410	411	410	407	406	409	407	400	399	397	397	399	402	403	405	406	406	407	405	0	7 14	412	15 55	395	17
20				407	408	408	409	410	410	410	408	405	403	403	408	413	413	409	407	407	407	407	(406)	404	406	407	407	408	0	12 58	414	9 48	402	12
21	✓	✓		407	407	407	408	409	409	410	410	411	412	421	424	421	415	412	405	401	401	404	407	407	408	408	408	410	0	11 45	425	17 08	399	26
22				408	408	408	408	410	411	411	408	405	404	408	412	412	405	402	399	400	403	404	407	407	407	407	407	407	0	11 45	414	15 56	399	15
23				408	408	408	408	408	408	407	403	401	404	409	412	414	416	413	412	409	408	408	407	407	408	408	408	408	0	13 37	417	8 42	400	17
24			✓	408	408	408	408	409	409	410	410	408	406	404	405	406	404	397	392	394	399	403	405	405	405	407	407	405	1	7 45	410	15 08	391	19
25				407	408	408	408	409	410	411	413	416	419	423	425	420	412	407	404	405	406	407	407	408	408	408	409	411	0	11 10	426	15 33	404	22
26				409	409	410	410	411	412	412	409	408	407	406	411	416	415	416	413	411	408	408	408	409	410	410	411	410	0	12 46	417	10 21	404	13
27				411	411	411	411	412	412	412	412	410	410	408	408	405	404	407	405	403	403	406	408	408	408	408	408	408	0	6 26	413	16 54	401	12
28	✓	✓		409	410	411	411	412	412	412	412	413	413	415	418	420	416	412	410	408	408	408	408	408	409	410	410	411	0	12 31	421	18 38	407	14
29	✓	✓		410	410	411	411	412	412	413	413	408	402	396	399	408	411	410	413	411	407	408	408	408	408	409	410	409	0	15 42	414	10 37	395	19
30	✓			410	410	410	411	411	412	411	407	403	402	405	405	405	403	403	400	400	403	406	408	408	408	408	408	407	0	6 07	413	16 27	400	13
31				409	409	410	411	412	413	414	420	422	420	417	414	412	413	407	404	400	401	405	409	409	409	411	410	411	0	8 00	423	16 40	399	24
MEANS ALL DAYS				407	407	407	408	408	409	409	409	408	406	406	408	408	406	403	401	402	402	404	405	406	406	406	407	406						18
MEANS TEN DAYS ✲				407	407	407	408	408	409	410	409	406	405	405	407	408	407	404	403	402	402	404	406	406	406	406	407	406						17
MEANS FIVE DAYS † (G. M. T.)				407	407	408	408	409	409	410	409	409	408	410	413	414	412	409	408	406	404	405 405	406 406	406	405	406	406	408						
MEANS FIVE DAYS ‡ (G. M. T.)				405	406	406	407	407	407	408	409	409	406	405	406	406	401	396	394	397	399	402	403	404	405	405	405	404						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 102

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1923

SEPTEMBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				410	411	412	413	413	414	413	413	409	402	402	404	404	405	407	408	406	407	409	409	410	410	411	411	409	0	6 10	414	10 07	400	14
2				411	411	411	412	413	413	413	415	417	417	417	421	421	420	419	412	409	408	409	409	409	410	411	411	413	0	12 54	422	17 05	407	15
3				411	412	412	413	413	413	414	412	409	408	407	409	409	412	414	409	406	407	409	411	411	412	412	412	411	1	14 06	417	16 42	405	12
4	✓			412	412	412	412	413	413	412	412	412	411	408	408	405	407	408	409	409	408	409	410	411	411	411	411	410	0	5 30	414	12 11	404	10
5				412	413	413	413	414	414	414	416	418	419	425	435	435	426	419	413	409	409	410	412	413	413	413	413	416	0	12 05	437	17 18	408	29
6	✓			414	414	414	414	414	416	414	409	407	408	412	416	422	428	426	417	410	408	410	411	412	412	413	413	414	0	14 13	429	8 17	406	23
7	✓	✓		413	413	413	413	414	414	414	411	409	409	410	412	415	421	418	408	405	409	410	410	411	412	413	413	412	0	13 37	422	16 04	404	18
8	✓	✓		414	414	414	414	414	414	413	413	411	410	408	410	414	416	413	410	410	409	409	410	411	413	413	414	412	0	13 32	417	10 49	407	10
9			✓	414	414	414	414	414	415	414	410	405	401	401	405	412	410	410	410	410	410	410	410	411	412	413	413	410	1	5 58	416	10 35	400	16
10			✓	415	415	415	417	418	418	418	418	416	416	414	414	415	417	411	410	408	410	411	411	412	412	413	414	414	1	5 27	419	16 46	407	12
11				414	415	415	416	417	417	418	419	418	415	409	408	411	411	409	409	409	410	411	411	411	412	413	414	413	0	7 33	420	11 02	407	13
12	✓			415	415	415	416	417	418	419	420	419	414	408	407	406	397	394	397	401	406	408	411	411	411	412	413	410	0	7 22	421	14 20	393	28
13				414	414	415	416	417	417	419	423	425	422	417	419	424	418	410	408	409	411	411	413	414	414	414	414	416	0	8 55	426	15 28	407	19
14				414	414	415	416	417	418	419	419	416	413	409	415	416	413	407	407	407	408	411	412	412	413	413	414	413	1	7 23	419	14 45	406	13
15				415	415	416	416	418	419	420	420	418	418	413	412	417	413	407	405	407	411	412	(415)	416	415	414	414	414	0	6 45	420	15 26	404	16
16	✓	✓		415	416	416	416	417	418	419	419	416	415	417	418	419	412	400	400	404	406	412	414	414	414	415	415	414	0	7 20	420	14 40	398	22
17				415	416	416	416	417	417	419	418	415	412	412	406	400	400	401	403	406	409	412	(415)	415	414	414	414	412	0	6 48	420	12 18	399	21
18				414	414	415	416	418	418	417	414	411	409	412	418	418	414	410	410	410	409	412	414	415	415	416	416	414	1	11 45	420	9 24	407	13
19	✓			416	416	417	417	418	418	418	419	418	417	417	422	426	427	427	425	419	415	415	417	417	418	418	418	419	0	12 52	428	17 56	414	14
20	✓			419	419	420	420	421	421	420	416	412	411	415	419	427	433	431	424	420	418	419	419	419	420	420	420	420	0	13 33	436	9 29	410	26
21	✓	✓		420	420	420	420	420	421	420	415	412	412	412	415	421	421	415	412	412	413	415	417	417	418	418	418	417	0	12 41	423	16 04	411	12
22	✓	✓		419	419	420	420	421	423	421	417	415	413	415	421	425	419	413	410	412	415	416	417	417	418	418	418	418	0	12 22	427	15 00	409	18
23				419	419	420	421	421	421	421	417	415	412	415	415	421	421	415	414	411	411	413	415	415	416	418	416	417	1	13 06	424	16 52	410	14
24				419	420	420	421	422	421	421	420	422	424	427	432	436	433	429	421	418	418	420	420	420	420	420	420	423	1	12 37	437	17 05	417	20
25				420	421	421	422	423	422	420	420	421	424	427	428	429	427	423	418	416	415	416	419	419	419	419	418	421	0	12 12	429	17 50	413	16
26			✓	416	417	419	421	424	424	424	426	427	425	424	425	429	426	421	412	407	408	412	416	420	412	417	417	420	1	12 47	431	16 44	406	25
27			✓	417	420	425	425	426	426	430	433	433	429	428	428	426	424	419	417	416	417	420	421	420	419	420	420	423	2	8 29	434	0 42	413	21
28			✓	422	423	424	424	424	425	428	430	430	430	433	436	431	427	421	419	420	420	420	420	420	421	421	421	425	1	11 40	437	15 22	418	19
29				423	424	424	425	425	426	425	426	430	434	440	441	429	412	407	405	407	413	419	420	420	421	421	421	422	1	11 10	443	15 24	404	39
30				421	422	423	423	424	423	424	426	430	436	443	445	438	430	423	417	417	420	422	423	423	424	424	424	426	1	10 54	446	15 50	414	32
31																																		
MEANS ALL DAYS				416	416	417	417	418	419	419	418	417	416	417	419	420	418	414	411	410	411	413	414	415	415	416	416	416						19
MEANS TEN DAYS ✲				416	416	416	416	417	418	417	415	413	412	412	415	418	418	414	411	410	411	412	414	414	415	415	415	415						18
MEANS FIVE DAYS † (G. M. T.)				416	416	417	417	417	418	417	415	413	412	412	415	419	418	412	408	409	410	413 412	414 414	415	415	416	416	415						
MEANS FIVE DAYS ‡ (G. M. T.)				417	418	419	420	421	422	423	423	422	420	420	422	423	421	416	414	412	413	415	415	416	415	416	416	418						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 103

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1923

OCTOBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				425	425	425	425	425	424	423	424	425	426	430	433	430	429	423	417	416	417	420	422	423	423	423	423	424	0	11 10	434	16 32	415	19
2	✓	✓		424	424	425	425	425	424	423	423	422	422	426	434	440	435	426	417	416	417	420	422	423	423	423	423	424	0	12 35	441	16 28	415	26
3	✓	✓		424	424	424	425	425	425	425	430	432	434	441	446	444	438	431	426	426	425	425	425	425	425	425	425	429	0	11 40	447	1 22	423	24
4				426	426	426	426	426	427	426	426	423	421	422	431	434	421	410	404	404	412	418	421	422	422	422	422	422	0	12 12	438	15 55	401	37
5				423	424	424	426	426	426	422	419	418	421	423	420	417	418	412	410	415	418	422	423	423	423	424	424	421	0	5 00	427	15 10	409	18
6				424	424	425	426	426	426	426	426	425	422	421	417	413	413	411	411	413	416	419	421	422	422	422	422	421	1	7 55	427	15 17	410	17
7				422	423	424	424	426	426	426	423	422	421	424	426	424	422	419	418	421	421	422	423	423	423	422	422	423	0	11 43	427	15 40	417	10
8				423	424	425	426	426	427	428	431	432	433	434	434	432	426	426	423	421	421	422	422	422	423	423	424	426	1	11 30	435	16 48	420	15
9	✓			425	426	427	427	427	427	427	427	427	427	425	423	420	423	423	419	418	419	423	423	423	424	424	425	424	0	8 05	428	16 27	416	12
10				426	426	427	427	427	427	429	435	434	432	429	429	427	428	424	418	419	423	425	426	425	424	424	425	426	1	7 40	436	16 00	416	20
11				422	424	427	427	428	427	427	427	425	425	427	427	424	422	421	420	420	423	425	427	426	426	426	426	425	1	11 18	429	15 04	419	10
12	✓			427	427	428	429	430	430	430	430	427	424	425	427	424	423	419	419	423	427	428	428	427	427	427	427	426	0	5 20	431	15 17	418	13
13	✓			427	428	428	429	429	431	432	432	432	432	431	423	416	420	426	427	427	428	428	428	427	427	427	427	428	0	8 37	433	12 39	415	18
14				428	429	429	429	431	432	432	430	428	428	430	429	429	433	431	428	424	425	427	428	428	427	425	426	429	0	13 23	434	16 56	423	11
15			✓	427	424	426	429	429	431	431	429	426	428	428	426	427	430	430	422	421	428	428	427	427	429	425	426	427	2	21 56	436	15 50	419	17
16			✓	426	426	428	428	430	431	432	437	441	441	444	447	445	438	433	427	416	416	421	422	423	426	425	425	430	2	11 52	450	16 37	414	36
17			✓	427	427	427	428	431	429	426	423	421	421	428	433	436	436	435	428	423	423	425	(428)	428	427	425	425	428	2	13 42	437	9 18	420	17
18			✓	427	427	427	428	429	428	422	419	416	416	419	422	421	425	425	423	424	421	424	(427)	427	426	427	427	424	1	5 20	430	10 05	414	16
19			✓	427	428	428	429	429	430	427	422	421	421	424	425	431	436	433	427	421	424	426	428	429	429	429	429	427	1	13 37	437	7 28	419	18
20				429	429	428	429	431	429	427	427	426	425	429	432	436	433	433	429	423	425	426	428	428	428	429	429	429	1	12 33	437	16 22	422	15
21				429	429	429	429	431	430	430	432	432	436	441	440	440	443	436	426	422	424	425	428	429	429	429	429	431	0	13 27	444	16 27	421	23
22				429	429	430	431	431	429	426	425	426	429	430	429	432	434	431	428	424	424	425	428	429	429	429	429	429	0	13 33	436	16 55	423	13
23	✓	✓		429	429	430	431	432	432	429	426	421	421	424	426	427	427	426	424	421	423	427	429	429	429	429	429	427	1	4 17	432	9 17	420	12
24	✓	✓		429	430	431	431	432	431	427	423	421	422	425	428	427	425	421	418	418	421	423	428	428	428	429	429	426	0	5 12	432	16 02	417	15
25	✓			429	429	429	429	429	429	430	433	434	433	432	430	427	423	422	422	421	425	428	427	426	426	428	428	428	0	8 13	435	16 03	420	15
26				429	429	429	430	431	429	427	426	426	429	433	436	432	425	419	421	426	428	428	429	429	429	429	428	428	0	11 40	437	14 34	418	19
27				427	428	428	429	429	432	435	436	436	440	441	437	434	434	433	428	426	426	427	429	429	429	429	429	431	1	10 42	441	16 41	425	16
28				429	429	430	431	432	432	433	433	433	435	439	439	436	432	428	425	425	425	428	429	429	429	429	429	431	1	11 27	440	16 28	424	16
29	✓			430	430	430	432	432	432	432	433	433	436	438	438	436	436	433	432	431	431	431	430	430	430	430	430	432	0	10 49	440	0 06	429	11
30	✓	✓		430	431	431	432	433	432	431	428	426	430	436	439	440	442	440	434	431	429	429	431	431	431	431	431	432	0	13 35	444	8 05	425	19
31				431	431	431	431	432	432	429	429	429	432	431	430	429	429	426	425	425	429	429	429	429	429	429	429	429	1	5 15	433	15 45	424	9
MEANS ALL DAYS				427	427	428	428	429	429	428	428	427	428	430	431	430	429	426	422	421	423	425	426	426	427	426	427	427						17
MEANS TEN DAYS ✲				427	428	428	429	429	429	429	428	428	428	430	431	430	429	427	424	423	424	426	427	427	427	427	427	428						16
MEANS FIVE DAYS † (G. M. T.)				427	428	428	429	429	429	427	426	424	426	430	435	436	433	429	424	422	423	425 425	426 427	427	427	427	427	428						
MEANS FIVE DAYS ‡ (G. M. T.)				427	426	427	428	430	430	428	426	425	425	429	431	432	433	431	425	421	422	425	426	427	427	425	426	427						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 101

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1923 — NOVEMBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1				429	429	430	431	431	431	427	423	421	426	431	431	428	427	428	427	429	430	430	430	429	428	428	428	428	1	5 25	432	8 05	420	12
2			✓	427	426	424	427	429	431	432	434	437	440	440	438	433	431	424	418	419	423	425	424	426	427	427	427	429	1	9 43	442	16 25	417	25
3				427	428	428	429	431	431	431	435	439	442	446	448	446	444	441	435	430	428	428	430	430	431	431	430	434	1	11 30	449	0 20	426	23
4	✓			430	430	431	431	431	431	431	431	433	439	444	449	451	449	443	436	430	429	431	431	431	432	432	431	435	0	12 10	451	17 05	428	23
5	✓	✓		431	431	431	432	434	433	433	435	437	439	436	434	430	426	426	424	423	424	428	430	430	430	431	431	431	0	9 20	440	16 05	422	18
6	✓			431	431	431	431	432	430	428	430	434	437	439	440	439	432	428	424	424	428	431	431	431	431	431	431	431	0	10 56	441	16 45	423	18
7				431	431	431	432	432	431	431	434	437	439	439	436	431	429	428	424	424	424	428	429	430	430	430	430	431	1	10 20	440	16 35	423	17
8	✓			431	431	431	432	432	432	437	444	451	454	453	451	447	442	436	428	427	427	429	431	430	431	430	431	436	0	9 25	455	15 45	426	29
9	✓			431	431	432	433	434	431	434	439	443	447	449	449	446	441	437	435	433	434	434	432	431	431	431	431	436	0	11 00	450	24 00	430	20
10	✓	✓		431	431	431	432	433	431	431	434	440	446	451	450	443	437	433	431	431	431	433	433	431	431	431	431	435	0	11 00	453	15 30	430	23
11	✓			431	431	431	431	432	432	431	434	440	443	446	442	433	429	428	424	424	427	430	432	431	430	430	430	432	0	10 54	447	16 25	423	24
12			✓	430	431	432	433	434	433	431	431	430	430	434	438	435	428	421	420	419	426	432	432	430	430	430	430	430	1	11 50	439	16 30	418	21
13				430	430	431	432	434	434	436	438	441	442	441	439	430	434	429	426	432	432	433	433	433	433	433	432	434	1	9 27	443	15 00	425	18
14				432	433	433	434	435	434	434	437	440	438	440	440	438	433	433	432	432	431	431	431	431	431	431	431	434	0	11 10	442	18 26	430	12
15	✓	✓		431	431	431	431	433	433	435	442	448	455	458	454	445	437	432	432	431	430	431	431	431	432	432	431	437	0	10 26	459	17 20	429	30
16				431	431	431	431	432	431	432	436	443	448	451	455	451	443	437	431	428	427	431	432	432	431	431	431	436	1	11 35	456	17 00	426	30
17				431	431	431	431	433	433	433	431	435	438	443	446	441	436	435	434	430	431	433	(435)	433	431	431	431	434	1	11 45	447	17 10	428	19
18				431	431	431	431	433	430	421	417	418	420	426	431	431	435	440	437	438	438	437	(433)	432	431	429	429	430	0	14 16	442	7 55	415	27
19				430	430	430	430	429	428	424	424	428	429	436	440	439	432	420	419	421	423	428	429	430	430	430	430	429	1	11 58	441	14 43	417	24
20	✓	✓		430	430	430	431	430	428	427	431	437	441	444	446	446	439	428	420	418	421	428	429	432	432	431	430	432	0	12 20	448	16 58	417	31
21				429	428	428	429	430	425	423	428	433	436	443	451	444	439	435	432	431	431	433	433	432	432	432	432	433	1	11 53	456	6 10	422	34
22			✓	432	432	432	432	431	428	428	428	434	435	441	445	444	446	442	433	426	⊼	⊼	432	432	433	433	432		1	13 32	448	[17 10	424	24]
23				432	432	432	432	433	430	428	431	435	437	440	446	444	439	434	431	429	432	434	434	433	433	433	433	434	0	11 49	448	6 18	428	20
24				433	434	434	434	434	431	430	433	436	441	444	445	434	429	422	⊼			⊼	430	431	431	432	432		0	10 55	446			
25		✓		432	433	433	434	433	431	434	442	447	448	449	450	⊼	⊼	423	417	415	419	426	430	430	430	431	431		0	11 05	453	16 37	415	38
26	✓			431	431	432	433	434	432	433	435	433	431	428	421	413	412	416	417	423	428	433	436	434	434	434	433	429	0	7 39	436	13 12	411	25
27			✓	432	432	432	432	432	432	435	436	437	438	440	442	438	439	447	446	439	433	433	433	431	431	432	432	436	1	14 38	449	3 08	429	20
28				433	432	432	432	434	434	435	442	447	446	443	440	435	431	(432	427)	426	429	432	432	430	427	427	427	434	1	8 52	448	16 27	426	22
29			✓	427	428	429	431	434	434	438	443	443	437	432	431	425	425	426	427	428	429	432	433	432	430	430	431	431	1	7 49	444	12 26	424	20
30				431	431	432	433	434	433	435	443	450	449	446	441	430	430	423	417	418	423	430	430	432	432	432	432	433	0	8 52	453	15 47	415	38
31																																		
MEANS ALL DAYS a)				430	430	431	431	432	431	431	434	437	440	441	442	437	434	431	428	427	428	431	431	431	431	431	431	433						a) 23
MEANS TEN DAYS ✲				431	431	431	432	432	431	432	436	440	443	445	444	439	434	431	427	426	428	431	432	431	431	431	431	433						24
MEANS FOUR DAYS (G. M. T.) b) †				431	431	431	432	432	431	432	436	440	445	447	446	441	435	430	427	426	426	431 431 430	431 431	431	431	431	431	433						
MEANS FOUR DAYS (G. M. T.) c) ‡				429	429	429	431	432	432	434	436	437	436	436	437	433	431	430	428	426	428	430	432	431	430	430	430	432						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete days November 22, 24 and 25
b) Omitting incomplete Greenwich day November 25
c) Omitting incomplete Greenwich day November 22

TABLE 105

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1923

DECEMBER 1923

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				433	434	434	434	435	434	434	435	437	440	443	438	434	431	434	431	432	435	434	434	433	433	434	435	435	1	10 28	446	15 44	428	18
2	✓	✓		435	435	435	435	435	434	433	434	438	439	442	444	438	434	438	443	438	434	435	437	435	435	435	435	436	0	11 26	446	6 30	432	14
3				435	435	435	437	437	434	436	443	450	450	450	452	444	440	435	429	428	432	437	437	436	435	434	434	438	1	11 04	454	16 38	427	27
4				435	433	433	433	434	434	436	438	438	435	438	442	442	441	433	425	425	429	433	435	435	435	436	436	435	1	12 43	443	16 03	423	20
5				436	436	436	437	436	433	432	435	438	441	442	447	442	436	435	435	435	434	434	435	435	435	436	438	437	1	11 48	448	6 02	431	17
6	✓			437	437	437	438	437	435	437	444	449	450	447	447	444	442	443	442	435	435	435	435	435	435	435	435	439	0	9 37	451	5 33	433	18
7	✓	✓		435	436	436	436	436	434	437	441	441	441	441	437	431	431	433	435	435	433	434	434	434	433	433	432	435	1	10 10	443	12 46	430	13
8				432	434	434	437	437	433	434	437	439	441	449	449	437	433	436	436	434	434	434	435	434	434	434	434	436	0	11 00	454	5 55	432	22
9				434	434	434	435	436	434	437	445	450	448	448	448	445	441	437	433	433	434	438	438	436	434	434	434	438	1	8 03	451	15 52	432	19
10				434	435	436	436	437	435	434	436	440	441	441	443	436	434	437	436	431	433	436	437	436	436	436	435	436	0	11 06	445	16 32	430	15
11	✓			436	436	436	437	438	436	436	441	452	452	448	444	437	429	426	427	429	432	434	434	433	432	433	433	436	0	8 44	454	14 37	425	29
12	✓			434	434	436	437	438	437	437	439	441	442	443	440	434	429	432	433	431	431	434	436	434	434	433	433	436	0	9 40	444	13 15	428	16
13				433	433	434	436	437	436	436	441	448	452	448	443	434	432	429	426	427	433	437	438	436	434	434	433	436	1	9 47	452	15 48	425	27
14				433	432	434	434	435	434	436	441	441	439	438	433	431	429	428	425	422	426	430	431	433	434	435	435	433	1	7 47	443	16 28	421	22
15				434	434	435	436	436	434	433	437	439	440	443	441	436	436	437	434	431	431	436	436	436	435	435	435	436	1	10 37	445	17 21	429	16
16	✓			435	435	436	436	436	433	429	431	430	425	429	429	424	425	425	420	423	430	436	437	437	437	437	436	431	0	20 10	438	15 41	418	20
17	✓	✓		436	436	437	437	437	434	430	431	432	438	447	440	437	433	429	430	430	434	434	(436)	435	434	434	434	435	0	10 41	448	14 46	428	20
18				434	434	434	434	434	431	429	433	437	436	439	438	437	438	433	429	429	432	435	(437)	437	435	436	435	434	0	13 58	440	15 38	427	13
19				434	435	435	435	435	434	434	446	455	463	469	473	467	461	452	443	434	434	437	437	437	437	437	437	444	1	11 46	474	5 49	431	43
20				437	437	437	437	437	434	434	434	434	436	441	441	436	433	429	429	428	430	434	436	436	436	436	435	435	0	11 00	442	14 39	427	15
21	✓	✓		435	435	436	437	438	435	435	439	442	442	446	446	443	430	430	430	427	427	432	435	436	436	436	436	436	0	10 52	447	14 01	426	21
22	✓	✓		434	435	435	436	437	434	434	438	438	433	434	435	434	426	425	426	429	429	434	435	434	434	434	434	433	0	7 12	439	14 00	422	17
23			✓	434	435	436	436	437	434	434	437	439	440	442	446	446	442	431	429	432	432	435	438	437	436	435	434	437	1	12 07	448	15 38	425	23
24			✓	433	433	434	435	436	435	433	433	432	428	431	429	421	418	422	425	428	431	435	434	433	432	432	432	431	1	5 04	437	13 12	417	20
25			✓	432	432	433	435	437	436	435	440	443	444	449	447	445	445	453	448	441	437	437	435	433	432	433	433	439	1	14 34	455	1 00	431	24
26			✓	433	434	435	436	433	434	438	445	446	451	454	453	454	452	449	435	429	433	434	435	436	436	436	436	440	2	12 14	458	16 35	429	29
27			✓	436	436	436	437	438	440	440	441	445	447	450	445	440	435	434	434	429	430	435	436	436	436	436	436	438	1	10 21	451	16 45	428	23
28				436	436	437	438	439	437	441	446	448	444	437	429	425	425	425	427	431	435	438	439	437	437	437	436	436	0	8 13	449	14 27	422	27
29				437	437	437	438	440	440	443	448	449	446	452	455	453	447	444	439	434	435	436	437	438	438	438	438	442	0	11 28	456	16 32	433	23
30				439	439	440	440	441	441	439	440	442	440	439	439	440	437	434	435	434	436	437	438	437	437	437	437	438	0	8 17	444	14 15	433	11
31	✓			438	440	440	441	441	441	442	443	445	448	451	445	435	427	426	426	426	430	434	436	437	437	438	438	438	0	10 20	452	14 46	425	27
MEANS ALL DAYS				435	435	436	436	437	435	435	439	442	442	444	443	439	435	434	432	431	432	435	436	435	435	435	435	436						21
MEANS TEN DAYS ✲				436	436	436	437	437	435	435	438	441	441	443	441	436	431	431	431	430	432	434	436	435	435	435	435	436						20
MEANS FIVE DAYS † (G. M. T.)				435	435	436	436	437	434	434	437	438	439	442	440	437	431	431	433	432	431	434 435 / 434 435		435	435	436	435	435						
MEANS FIVE DAYS ‡ (G. M. T.)				434	434	435	436	436	436	436	439	441	442	445	444	441	438	438	434	432	433	435	435	435	434	434	434	437						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 106

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		625	624	624	625	625	624	618	618	620	625	640	648	645	643	638	630	618	616	620	626	625	625	625	623	627	0	11 24	653	7 00	615	38
2				624	624	623	623	622	620	619	625	633	636	647	658	655	638	628	632	627	632	633	633	634	629	630	628	631	0	11 18	662	6 13	615	47
3				626	626	622	620	622	623	617	616	623	619	634	645	643	644	626	616	615	616	621	628	632	628	629	629	626	1	12 55	651	9 03	611	40
4	✓			629	628	627	626	626	622	617	625	629	634	643	647	653	642	642	634	626	628	630	632	632	629	627	625	631	0	12 18	656	6 12	616	40
5				626	626	625	625	624	616	604	606	616	625	629	633	633	634	618	613	615	621	625	629	627	626	626	626	623	0	13 34	637	6 40	603	34
6				624	623	622	621	621	619	610	611	619	624	631	635	636	640	628	622	616	617	625	629	630	629	628	626	624	0	13 23	646	6 48	607	39
7				624	617	616	616	616	611	603	606	626	646	657	662	656	645	643	639	629	619	623	632	633	633	630	621	629	0	11 42	664	6 48	599	65
8				625	621	619	618	619	613	605	606	617	637	656	658	646	636	634	628	624	617	624	632	633	632	630	626	627	0	11 02	665	6 32	597	68
9				624	622	618	617	619	615	603	602	609	615	638	658	656	645	642	631	625	624	625	629	630	627	625	624	626	0	11 52	663	6 54	598	65
10			✓	619	615	612	608	608	596	588	605	625	645	663	655	636	635	641	635	634	632	633	635	633	629	634	632	627	1	11 15	671	6 21	584	87
11				630	627	625	624	624	620	613	621	640	655	656	651	655	656	652	635	625	624	625	632	633	633	632	628	634	0	13 20	661	6 33	610	51
12	✓	✓		625	624	620	616	616	612	605	612	629	643	654	654	648	646	632	625	625	624	623	626	625	626	629	628	628	0	10 51	656	6 20	599	57
13	✓	✓		627	626	625	624	622	617	612	615	625	636	652	657	644	616	613	625	625	626	626	626	627	627	628	628	627	0	11 36	661	14 12	606	55
14	✓	✓		627	625	624	621	620	621	621	625	630	641	655	664	648	627	618	616	616	617	624	628	627	627	628	626	628	0	11 30	667	15 50	613	54
15				626	625	623	622	621	619	615	618	635	645	655	646	633	624	641	649	638	631	631	635	636	636	636	632	632	1	10 58	657	13 12	609	48
16				625	625	623	622	623	624	622	625	626	632	646	663	657	651	646	636	640	640	633	630	631	631	629	626	634	1	11 51	666	2 18	619	47
17	✓			626	625	625	623	624	622	616	625	627	631	641	646	649	655	655	648	644	633	629	629	629	628	628	626	633	0	13 15	659	6 30	615	44
18	✓			625	624	623	622	621	623	623	631	635	637	641	641	631	623	625	632	633	631	630	(630)	631	632	632	628	629	0	11 17	645	6 12	617	28
19				628	625	625	624	619	621	619	630	641	640	645	649	645	628	628	642	636	630	628	(627)	628	627	627	625	631	1	11 46	654	6 15	615	39
20	✓	✓		625	624	621	618	618	616	612	634	625	634	638	647	644	634	632	637	637	635	628	627	627	626	625	625	629	0	11 53	652	7 01	607	45
21	✓			623	621	620	615	615	615	608	614	624	621	634	640	645	637	636	635	627	621	622	626	625	625	626	626	625	0	12 20	647	6 30	605	42
22			✓	625	624	621	620	620	618	612	614	616	615	625	635	634	624	618	631	627	633	630	(629)	629	630	623	617	624	1	12 18	645	6 36	607	38
23			✓	617	609	609	613	615	613	608	619	634	635	645	654	645	645	645	647	637	625	624	628	630	628	627	625	628	1	11 36	657	1 32	602	55
24				625	624	623	621	619	615	607	609	621	635	648	661	655	654	647	645	642	635	629	627	630	631	632	626	632	1	11 46	665	6 45	604	61
25				625	623	621	617	616	615	614	623	636	644	654	655	655	645	623	611	611	614	620	627	626	626	625	625	627	1	12 09	660	16 06	605	55
26				625	624	619	618	615	613	605	615	634	645	643	636	625	625	625	623	617	623	625	625	626	626	626	625	624	1	9 11	649	6 18	597	52
27				624	619	617	616	618	615	614	625	637	653	665	677	675	668	664	637	621	617	622	625	625	625	625	624	634	0	12 07	682	6 15	608	74
28	✓			619	617	615	616	618	619	608	605	617	635	646	654	655	657	658	652	635	634	627	625	625	624	621	617	629	0	14 04	664	6 56	602	62
29			✓	614	606	605	605	605	608	604	604	617	628	630	642	652	642	632	631	626	634	645	652	675	661	638	637	629	2	20 45	689	7 01	595	94
30			✓	632	624	617	625	627	625	615	617	618	637	646	654	647	636	635	641	635	637	635	634	635	636	633	627	632	2	12 05	657	6 54	614	43
31				625	625	624	623	623	624	621	622	627	631	642	647	640	624	613	609	620	624	625	626	627	628	627	626	626	0	11 33	650	15 13	605	45
MEANS ALL DAYS				625	622	620	619	619	617	612	617	626	635	645	651	646	639	635	632	627	626	627	630	631	630	628	626	629						52
MEANS TEN DAYS ✲				625	624	622	621	620	619	614	620	626	634	644	650	646	638	635	633	629	626	626	628	627	627	627	625	629						46
MEANS FIVE DAYS † (G. M. T.)				626	625	623	621	620	618	614	621	626	636	648	654	646	633	627	627	624	624	625 624	627 627	628	628	628	627	628						
MEANS FIVE DAYS ‡ (G. M. T.)				621	616	613	614	615	612	605	612	622	632	642	648	643	636	634	637	632	632	633	632	637	633	627	624	627						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 107

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1924 — FEBRUARY 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			625	625	623	621	620	619	615	619	631	634	643	645	645	644	637	635	633	630	635	633	634	631	627	625	630	0	11	57 647	6	45 611	36
2				624	624	622	619	618	615	612	616	626	627	636	639	644	644	635	619	606	605	617	625	627	626	625	625	624	0	12	48 645	16	27 603	42
3				624	620	617	616	616	613	603	604	617	636	646	649	644	626	615	615	617	623	(624)	627	626	626	625	625	623	0	10	48 655	6	36 597	58
4				619	619	617	616	616	615	612	612	625	636	652	654	646	644	635	615	607	613	619	625	625	625	624	619	625	0	11	36 656	6	36 606	50
5			✓	617	616	615	614	611	606	597	606	631	649	663	663	647	636	626	625	627	623	625	635	635	634	629	624	627	1	10	56 672	6	21 595	77
6			✓	617	616	616	618	618	617	605	607	625	638	▽		▽	628	625	617	615	617	623	626	625	625	625	624		1			[6	36 598]	
7				624	624	622	617	618	616	609	613	624	635	646	652	645	640	634	625	616	615	618	627	627	626	625	625	626	0	10	51 655	6	36 605	50
8	✓			621	623	623	621	622	618	613	617	636	656	657	646	641	635	627	626	625	625	623	625	625	625	625	624	628	0	10	00 665	6	40 609	56
9	✓			624	622	620	620	622	622	619	621	626	635	644	643	644	637	626	615	605	606	615	624	624	624	625	625	624	0	12	00 645	16	42 602	43
10				625	624	620	618	617	616	607	605	610	621	634	638	645	645	639	630	625	623	621	627	632	627	627	627	625	1	13	09 657	7	12 602	55
11				625	624	623	623	623	622	617	612	616	622	626	629	633	637	637	625	612	609	615	623	624	625	625	625	623	0	13	57 639	16	40 607	32
12				624	622	618	618	618	616	608	606	612	626	639	649	645	637	634	628	621	620	619	624	625	624	624	625	624	0	11	32 653	7	25 605	48
13	✓			623	621	620	620	623	623	617	614	619	634	645	646	650	653	646	634	621	615	615	623	624	623	624	623	627	0	13	38 655	7	12 610	45
14	✓	✓		622	623	621	621	618	620	609	607	615	626	633	633	629	630	625	617	616	616	617	624	625	625	625	624	622	0	10	40 635	6	50 606	29
15	✓	✓		623	620	618	619	619	621	617	617	619	625	631	635	635	634	635	632	623	617	617	623	623	623	623	623	624	0	14	17 637	6	50 615	22
16				617	617	615	614	614	615	606	597	607	612	608	615	634	626	631	637	628	622	622	624	625	625	623	622	619	2	12	52 647	7	00 595	52
17				620	618	616	615	616	614	607	612	617	620	623	627	631	633	633	627	621	616	617	623	623	625	623	624	621	1	14	15 635	6	30 606	29
18	✓	✓		623	621	618	616	615	611	604	603	611	618	630	631	633	636	644	640	626	617	618	(625)	625	623	622	620	622	1	14	50 647	7	00 598	49
19	✓			618	617	616	615	616	617	615	613	615	622	631	636	627	627	635	637	624	615	616	(620)	622	625	625	620	622	1	15	09 644	7	27 610	34
20			✓	616	615	611	609	612	610	599	607	615	618	616	615	619	623	620	616	615	616	617	622	624	624	623	623	616	2	12	06 632	6	48 595	37
21			✓	618	620	616	615	616	614	608	605	608	622	630	632	631	643	641	630	622	616	619	623	623	624	623	621	622	1	14	00 652	8	10 603	49
22				618	615	614	615	620	620	609	605	602	604	613	622	630	636	635	626	621	617	617	618	621	622	623	619	618	1	13	51 641	8	12 597	44
23			✓	618	616	614	615	617	618	612	611	616	623	▽								▽	621	621	622	622	620	625	0			[7	48 605]	
24				618	616	615	615	615	617	613	610	613	618	625	626	634	641	648	642	633	624	622	621	620	621	621	620	623	1	14	30 650	7	05 606	44
25				619	619	619	617	617	618	614	606	608	615	624	628	641	651	648	635	625	617	615	621	622	623	622	620	623	0	13	45 654	7	18 605	49
26				618	616	615	615	618	622	617	617	622	626	635	639	644	644	643	642	630	621	617	620	620	620	619	619	625	1	13	20 645	2	07 612	33
27				620	618	616	616	618	618	610	601	600	599	601	606	614	623	625	624	619	619	619	623	623	622	621	617	616	1	14	15 626	10	21 597	29
28	✓	✓		616	615	616	617	618	620	615	609	605	604	604	615	625	631	636	634	627	624	619	621	621	621	621	619	619	0	14	50 637	10	00 599	38
29	✓	✓		617	617	617	617	618	619	613	604	598	601	612	624	634	640	642	(635)	633	628	623	621	622	622	620	617	621	0	14	33 644	8	54 596	48
30																																		
31																																		
MEANS ALL DAYS a)				621	620	618	617	618	617	611	610	616	624	631	635	637	637	634	628	621	618	619	624	625	624	624	622	623						44 a)
MEANS TEN DAYS ✲				621	620	619	619	619	619	614	612	618	626	633	635	636	637	635	630	623	619	620	624	624	624	624	622	624						40
MEANS FIVE DAYS † (G. M. T.)				620	619	618	618	618	618	612	608	610	615	622	628	631	634	636	632	625	620	617 619	623 623	623	623	623	621	621						
MEANS THREE DAYS b) ‡ (G. M. T.)				617	617	614	613	613	610	601	606	618	630	636	637	632	634	629	624	621	618	620	622	624	625	624	621	621						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = THREE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

a) Twenty-seven days only, omitting incomplete days February 6 and 23

b) Omitting incomplete Greenwich days February 6 and 23

TABLE 108

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1924 — MARCH 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1		✓		618	618	618	618	618	619	614	611	607	605	606	616	632	644	653	646	634	624	617	615	616	618	▽			0	14 30	654	9 55	602	52
2										▽	609	609	615	624	630	635	639	638	635	627	623	621	623	624	622	622	623		0	13 39	644			
3				623	622	623	624	625	624	608	592	586	585	591	605	620	634	635	634	634	628	625	624	624	623	622	620	618	1	13 58	637	9 45	583	54
4	✓			619	618	618	619	621	623	613	604	601	596	603	615	623	632	642	641	629	623	618	619	619	619	618	616	619	0	14 55	644	9 32	595	49
5				617	617	616	618	621	619	606	602	604	604	605	615	615	616	619	623	617	614	617	623	623	623	623	623	616	0	14 58	624	7 30	598	26
6				623	622	618	618	618	617	612	607	612	615	624	634	643	646	644	637	633	627	626	624	624	624	624	623	625	0	14 03	648	6 55	605	43
7			✓	620	615	617	621	623	623	624	625	631	634	633	634	633	625	623	618	616	616	624	626	625	622	620	615	623	0	12 25	636	1 55	613	23
8			✓	615	615	615	614	616	616	615	616	624	627	634	634	634	634	627	618	617	621	623	625	624	622	622	618	622	1	12 06	636	7 02	611	25
9				616	614	614	615	618	617	614	618	624	624	627	634	639	644	644	634	629	622	615	619	624	623	622	620	624	0	14 02	648	6 32	611	37
10				616	615	614	614	618	619	612	610	614	624	633	637	644	647	647	638	631	626	623	624	622	621	616	614	624	0	14 08	652	7 24	606	46
11	✓			614	614	614	618	620	619	613	606	605	606	613	624	634	642	644	640	631	622	617	618	618	618	615	616	620	0	14 20	645	7 24	605	40
12				615	616	617	620	621	621	606	598	598	600	610	624	634	636	637	634	628	622	616	616	617	617	616	615	618	0	14 39	640	7 40	595	45
13	✓			615	616	616	618	620	620	608	601	597	597	601	613	626	635	635	634	625	615	613	616	615	616	616	617	616	0	13 45	638	8 55	595	43
14	✓	✓		617	616	616	617	619	617	607	595	590	593	600	615	626	642	646	645	634	625	620	621	621	620	617	615	618	0	14 30	650	8 43	587	63
15	✓	✓		616	616	616	618	620	622	616	613	608	607	608	611	614	622	629	629	624	617	615	618	617	617	616	614	617	0	14 54	630	9 27	605	25
16				614	614	613	614	616	621	617	610	607	609	614	614	623	636	644	644	635	627	622	(619)	622	619	618	614	620	0	15 24	647	8 26	604	43
17	✓	✓		614	614	614	615	619	620	618	616	615	614	613	613	616	624	625	624	620	616	616	(617)	617	617	617	616	617	0	14 25	626	11 00	609	17
18	✓			616	616	616	618	620	619	612	606	605	611	616	613	621	628	637	632	620	614	614	615	615	615	615	614	617	0	14 48	642	7 30	604	38
19				614	614	614	616	616	614	604	593	593	603	610	608	611	620	623	624	621	616	616	618	619	621	619	618	614	1	14 57	626	7 48	587	39
20			✓	617	614	616	614	616	621	614	605	614	624	627	634	640	639	642	636	627	619	618	618	618	617	616	615	622	1	12 23	644	7 18	603	41
21				613	613	614	616	617	614	605	603	603	602	603	605	610	617	626	629	623	617	618	621	620	619	616	615	614	1	15 48	632	9 16	596	36
22				615	615	614	614	614	615	613	608	612	615	624	631	637	644	647	644	634	624	618	618	618	617	617	615	622	0	14 21	651	7 16	605	46
23				614	614	614	615	616	620	621	623	625	634	639	637	641	644	638	630	623	618	616	615	616	616	616	615	623	0	13 20	646	0 53	610	36
24				615	614	614	616	618	615	612	616	625	627	631	639	644	640	635	623	611	610	612	614	614	614	614	614	620	0	12 20	645	6 30	608	37
25				614	614	613	612	614	618	621	627	638	650	654	655	654	651	642	625	612	606	611	614	614	614	614	614	625	0	11 24	656	17 30	604	52
26	✓			614	614	614	617	617	615	604	598	602	607	610	625	636	644	640	634	624	614	613	614	616	614	613	614	617	0	13 28	645	7 39	595	50
27	✓			614	614	615	616	616	615	613	605	603	604	605	613	620	624	625	624	616	610	612	614	615	615	615	615	614	0	14 07	627	8 25	600	27
28	✓	✓		614	614	615	616	618	618	619	617	614	613	615	625	639	646	644	634	621	613	614	615	615	615	616	614	620	0	13 24	649	17 35	610	39
29				614	614	613	614	614	614	612	604	607	612	615	622	623	630	624	616	613	611	612	615	615	615	616	614	615	1	13 24	634	7 30	601	33
30			✓	613	608	606	611	613	613	604	605	614	619	624	644	643	639	634	631	625	622	619	616	616	614	613	617	619	1	11 45	653	6 34	601	52
31			✓	617	617	617	618	622	624	624	622	622	621	619	623	625	631	626	619	614	614	616	617	618	618	617	616	620	0	13 18	634	17 05	613	21
MEANS ALL DAYS [a]				616	615	615	616	618	618	613	608	610	613	617	624	630	635	635	631	624	618	617	618	619	618	617	616	619						39 [a]
MEANS TEN DAYS ✲				615	615	615	617	619	619	612	606	604	605	608	617	626	634	637	634	624	617	615	617	617	617	616	615	618						39
MEANS FIVE DAYS † (G. M. T.)				616	616	616	617	619	619	615	610	607	606	608	616	625	636	639	636	627	619	618 616	618 617	619	618	617	616	619						
MEANS FIVE DAYS ‡ (G. M. T.)				616	614	614	616	618	619	616	615	621	625	627	634	635	634	630	624	620	618	620	620	620	619	618	617	621						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

[a] Twenty-nine days only, omitting incomplete days March 1 and 2

TABLE 109

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				616	617	616	616	616	620	620	614	607	604	608	614	623	625	622	621	618	614	615	617	616	616	617	616	616	0	13 12	626	9 45	603	23
2	✓			616	616	615	615	616	618	617	615	611	606	603	605	613	614	614	614	614	616	616	615	614	614	615	616	614	0	5 48	619	10 39	600	19
3				614	614	613	614	615	615	615	615	617	622	623	625	630	624	617	614	612	613	614	616	616	615	617	621	617	0	12 42	634	16 15	610	24
4		✓		620	617	616	616	615	616	617	620	620	619	622	627	630	624	614	611	610	609	614	614	614	614	615	616	617	0	12 00	633	17 30	606	27
5	✓	✓		616	617	617	617	616	614	609	610	614	624	634	639	641	633	622	617	614	613	614	614	614	615	616	616	619	0	12 30	644	7 12	609	35
6			✓	616	615	615	614	614	614	613	610	619	622	628	636	645	642	634	628	620	613	614	614	614	614	616	618	620	1	12 36	651	7 25	605	46
7			✓	618	618	619	616	618	616	613	605	600	597	598	614	626	634	635	636	624	622	619	618	622	616	615	614	617	1	15 13	638	10 09	594	44
8	✓			614	615	618	622	622	623	624	625	626	625	624	625	638	644	635	623	615	612	613	614	614	614	614	615	621	0	13 17	645	17 15	608	37
9				615	615	615	615	617	616	614	612	613	615	618	626	643	645	641	633	621	614	614	614	614	614	614	614	620	0	13 10	650	7 40	611	39
10	✓			614	614	615	617	619	616	606	594	586	588	604	627	645	654	654	643	630	617	614	613	613	614	614	614	618	0	13 40	657	8 38	584	73
11	✓	✓		614	614	616	616	619	617	612	603	595	594	603	624	648	658	654	639	623	613	610	611	612	614	614	614	618	0	13 40	662	9 04	592	70
12				613	614	614	615	616	615	609	601	595	598	606	624	644	652	647	636	627	618	614	614	614	614	614	614	618	0	13 25	654	8 30	594	60
13	✓	✓		614	614	614	614	615	615	611	604	601	603	610	624	644	646	643	634	621	611	613	611	611	611	611	611	617	0	13 09	650	8 34	598	52
14	✓			612	612	612	614	615	616	617	620	620	623	625	631	634	634	626	620	616	613	612	613	613	613	613	614	618	0	12 30	637	17 30	609	28
15				615	615	614	616	616	616	615	611	604	604	603	606	622	624	624	624	623	616	615	(614)	614	614	614	614	615	0	13 20	625	10 30	601	24
16	✓			614	614	614	614	615	618	618	614	607	605	606	614	624	633	633	626	623	614	613	(613)	614	614	614	614	616	0	13 34	634	9 20	604	30
17			✓	613	613	614	615	616	618	622	620	614	606	605	612	613	610	609	614	618	615	614	614	614	614	614	614	614	0	6 36	625	10 12	602	23
18				614	614	614	615	618	623	624	624	618	614	610	608	610	615	621	625	624	621	617	616	616	615	614	614	617	0	6 27	628	10 57	604	24
19				614	614	614	615	618	622	623	612	602	589	584	594	606	605	608	614	615	614	615	614	614	614	614	614	610	0	6 14	626	10 25	581	45
20				615	615	615	615	618	620	624	624	625	625	634	644	645	643	633	627	620	614	614	614	614	614	613	613	622	0	12 35	647	17 36	612	35
21				612	613	614	615	615	617	623	625	624	615	610	607	618	618	615	616	617	618	613	613	614	614	614	613	616	1	7 39	626	11 02	604	22
22				613	613	614	614	615	616	616	617	621	627	635	644	651	644	631	618	611	612	613	613	614	614	614	613	621	0	12 33	654	16 50	608	46
23				613	613	613	614	614	614	613	616	620	624	634	647	645	635	628	616	614	613	613	611	611	611	611	611	619	0	12 02	652	6 05	610	42
24	✓			613	613	614	614	614	613	610	606	605	605	614	625	637	638	634	626	618	613	611	609	611	611	605	613	616	0	13 05	641	8 48	604	37
25			✓	614	617	619	615	620	620	621	624	625	625	624	618	624	637	639	634	618	612	612	611	611	611	611	611	620	1	14 54	642	17 25	608	34
26			✓	611	608	606	608	612	607	607	604	605	614	620	624	634	642	643	637	631	621	617	616	616	616	616	614	618	1	13 52	645	8 10	599	46
27				613	614	614	615	618	623	617	612	607	605	605	613	621	633	634	629	623	614	614	614	614	614	614	614	616	0	14 25	636	9 26	603	33
28				614	614	615	617	619	623	625	623	614	610	610	614	621	624	625	624	621	616	614	613	613	613	614	614	617	0	6 54	630	10 06	606	24
29				614	614	614	618	622	624	627	624	614	608	610	616	623	625	633	627	616	614	614	614	614	614	614	614	618	0	14 45	633	9 30	606	27
30	✓	✓		614	615	615	618	618	620	621	614	607	603	603	606	612	614	623	631	625	615	614	614	614	614	614	613	615	0	15 40	632	10 05	600	32
31																																		
MEANS ALL DAYS				614	614	615	615	617	618	617	614	611	611	614	621	630	632	630	625	619	615	614	614	614	614	614	614	617						37
MEANS TEN DAYS ✲				614	614	615	616	617	617	614	610	607	608	613	622	634	637	634	627	620	614	613	613	613	613	613	614	617						41
MEANS FIVE DAYS † (G. M. T.)				616	615	616	616	617	616	614	610	607	609	614	624	635	635	631	626	619	612	614 614 613 613		614	614	615	616	617						
MEANS FIVE DAYS ‡ (G. M. T.)				614	614	615	614	616	615	615	613	613	613	615	621	628	633	632	630	622	617	615	612	613	613	612	614	617						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 110

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1924 — MAY 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				614	615	618	623	623	624	627	624	615	613	613	614	617	623	620	621	614	612	613	614	613	613	613	614	617	0	6	20	631	9 42	611	20
2	✓			614	614	614	614	615	618	624	625	625	626	633	637	642	644	637	624	614	611	613	614	614	614	614	614	621	0	13	30	645	17 15	608	37
3				614	614	614	614	614	615	614	611	612	615	615	616	623	626	630	624	613	608	609	614	614	614	614	614	615	0	14	30	632	17 04	606	26
4				614	614	614	614	615	615	615	614	613	606	608	615	619	622	622	616	613	613	614	613	613	613	614	614	614	0	14	55	623	10 00	603	20
5				614	614	615	616	616	619	622	619	611	605	607	616	624	632	632	624	615	614	613	614	614	614	614	614	617	0	14	10	633	9 25	603	30
6	✓	✓		614	614	614	614	615	615	617	613	602	602	600	605	614	617	624	632	626	619	614	614	614	614	614	614	614	0	16	02	633	9 58	598	35
7	✓	✓		614	614	614	615	616	618	621	613	604	593	590	595	601	605	610	614	612	610	611	611	611	613	613	612	610	0	6	22	624	10 20	586	38
8				613	613	614	616	622	624	629	628	619	614	611	614	623	625	631	623	614	608	609	607	608	608	609	612	616	0	14	15	634	17 30	606	28
9				612	613	614	614	615	617	614	606	595	594	594	605	624	638	643	634	623	614	612	611	611	611	612	613	614	0	14	30	644	10 09	589	55
10	✓			613	614	615	614	615	615	614	602	589	586	596	610	622	632	633	625	614	609	609	609	609	610	612	614	612	0	14	03	635	9 22	585	50
11	✓			614	614	615	619	622	621	616	605	593	581	584	596	611	619	622	623	614	609	609	609	609	611	612	613	610	0	14	25	623	9 42	577	46
12				613	614	614	615	616	619	617	609	604	594	585	591	605	621	624	623	613	610	612	612	613	614	614	614	611	1	14	39	626	10 12	581	45
13				614	614	615	619	622	624	631	627	618	612	609	612	624	635	634	627	618	614	612	608	609	611	612	613	618	0	13	35	638	10 54	608	30
14	✓	✓		611	611	612	614	615	617	619	615	613	613	614	621	628	634	634	621	611	606	607	(609)	609	610	612	611	615	0	14	12	637	17 15	605	32
15	✓			611	612	613	614	614	621	624	623	614	607	606	611	623	631	635	635	623	613	611	(610)	610	610	610	611	616	0	15	17	641	9 20	604	37
16				611	613	614	614	615	617	619	615	614	612	610	614	624	627	625	624	616	611	611	611	613	613	613	612	615	0	13	38	632	9 05	608	24
17	✓			613	613	614	615	617	621	626	620	607	602	599	601	612	614	616	614	614	612	611	611	610	610	611	613	612	0	6	30	631	11 00	597	34
18	✓	✓		614	614	614	616	618	624	629	622	613	605	605	606	607	625	644	644	626	614	613	611	610	610	611	612	617	0	15	00	646	9 30	604	42
19				613	613	614	615	617	624	634	634	624	613	605	603	603	616	631	625	608	603	607	614	614	614	613	608	615	0	7	12	637	12 01	594	43
20	✓			611	613	614	614	616	624	629	623	605	594	589	602	614	623	624	614	611	611	612	614	614	614	614	613	613	0	6	39	633	10 49	587	46
21			✓	613	611	612	610	606	627	622	636	638	634	624	616	614	614	613	608	606	605	606	608	611	623	626	614	617	2	8	32	647	4 22	601	46
22			✓	614	600	585	584	585	591	604	634	653	658	661	654	653	646	637	631	624	624	622	612	615	618	619	618	623	2	10	50	677	4 32	581	96
23			✓	622	625	620	620	624	624	637	645	645	638	633	633	627	614	607	614	616	614	613	614	614	614	615	615	623	1	7	51	649	14 38	604	45
24			✓	614	615	616	621	623	626	638	635	628	620	621	624	624	618	618	620	614	611	613	613	613	614	614	614	619	1	6	36	644	17 25	607	37
25				614	615	615	619	624	629	634	634	626	615	608	611	613	615	624	625	618	614	614	614	614	614	613	614	618	0	6	48	638	10 20	605	33
26				614	614	614	616	623	625	632	634	631	625	623	624	628	627	627	621	612	605	606	613	613	613	614	614	620	0	7	26	637	17 40	603	34
27				614	614	617	624	628	634	636	634	630	622	624	633	632	632	632	634	626	619	619	623	624	624	624	614	626	0	6	52	640	1 12	613	27
28			✓	613	612	603	603	603	610	620	626	623	623	623	625	623	623	620	626	625	617	616	621	619	619	619	618	618	1	7	30	630	4 03	597	33
29				617	618	619	620	623	624	635	639	634	626	619	609	614	624	625	624	618	616	614	614	614	613	613	613	620	0	6	36	642	11 12	606	36
30				610	609	609	612	618	623	633	635	626	618	614	606	614	617	620	624	620	614	612	611	613	614	614	614	617	0	6	45	637	11 06	605	32
31		✓		614	615	616	622	621	622	624	623	613	603	604	609	614	624	633	629	620	613	607	609	607	608	610	612	616	0	14	30	634	9 30	601	33
MEANS ALL DAYS				614	613	613	615	617	620	624	623	617	612	610	614	620	625	627	624	616	612	612	612	613	613	614	613	616							38
MEANS TEN DAYS ✲				613	613	614	615	616	619	622	616	606	601	602	608	617	624	628	625	616	611	611	611	611	612	612	613	614							40
MEANS FIVE DAYS † (G. M. T.)				613	614	614	616	617	619	622	617	609	603	603	607	613	621	629	628	619	612	612 610	612 611	612	613	613	614	615							
MEANS FIVE DAYS ‡ (G. M. T.)				615	613	607	608	608	616	624	635	637	635	632	630	628	623	619	620	617	614	614	614	616	619	620	615	620							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 111

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1924

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			612	612	613	615	618	622	630	634	626	606	598	602	611	612	612	615	615	609	608	609	610	611	611	613	614	0	8 00	635	10 30	594	41
2				611	614	615	617	618	623	630	634	628	615	608	608	614	614	623	618	607	606	608	609	611	611	612	612	615	0	7 30	635	17 55	604	31
3	✓	✓		613	612	613	614	614	616	624	629	624	619	617	623	624	624	627	629	618	611	608	609	609	610	611	611	617	0	15 15	632	18 00	607	25
4				611	611	613	614	614	617	624	631	629	623	614	609	615	617	624	624	617	613	610	611	611	611	611	612	616	0	8 00	634	11 25	606	28
5	✓			612	611	609	612	614	618	624	633	634	624	614	616	621	619	619	614	607	604	609	611	611	610	612	613	615	0	8 42	636	17 27	603	33
6	✓	✓		613	613	613	614	615	617	621	614	603	594	593	595	608	624	634	629	616	612	611	611	610	610	610	610	612	0	14 30	633	10 00	591	42
7	✓	✓		611	613	613	614	615	621	629	631	625	618	613	609	607	610	614	614	611	605	606	608	608	609	609	609	613	0	7 12	633	17 22	604	29
8	✓	✓		609	610	611	614	616	620	631	632	625	620	615	614	610	615	626	630	614	604	605	605	607	608	607	610	615	0	6 52	635	17 27	603	32
9				611	611	613	614	615	616	622	624	618	614	609	610	619	621	621	614	604	594	598	603	606	608	609	607	612	1	7 18	625	17 24	592	33
10			✓	610	605	605	608	623	625	635	642	646	649	644	635	625	635	643	635	635	629	629	635	627	627	626	617	629	2	9 28	663	2 42	595	68
11			✓	614	613	614	614	615	616	624	641	647	648	646	650	644	635	624	605	595	586	600	613	614	614	614	615	621	2	11 35	659	17 57	581	78
12				615	617	617	619	621	622	625	624	620	608	603	604	605	604	606	614	614	610	607	613	609	613	614	614	613	0	6 47	627	13 15	600	27
13	✓			614	615	615	616	618	624	629	635	633	629	634	646	643	628	617	614	609	606	607	611	612	613	613	[613]	621	0	11 27	650	17 00	604	46
14		✓		[614]	▽					▽	619	613	605	604	608	614	618	619	621	616	613	612	(612)	613	613	613	613			[15 30	622]	10 44	604	[18]
15				614	614	615	615	619	623	627	624	613	603	603	603	613	621	624	623	618	612	610	(611)	613	613	613	613	615	0	7 00	630	10 51	602	28
16				613	613	614	617	621	625	635	639	615	606	603	601	603	607	617	618	612	605	607	610	610	611	611	610	613	0	7 09	646	11 09	598	48
17				610	610	611	612	614	620	628	633	627	618	612	612	614	622	629	628	623	615	612	609	611	612	612	611	617	0	7 41	635	10 57	608	27
18			✓	611	612	613	617	622	630	634	638	633	618	609	607	603	608	612	603	594	595	596	603	607	610	614	614	613	1	6 50	644	17 06	591	53
19			✓	615	617	621	625	624	624	623	625	633	619	615	612	608	608	611	602	604	613	610	615	624	615	613	613	616	1	8 41	638	16 05	593	45
20			✓	615	618	619	618	620	624	634	652	653	642	634	625	616	609	610	605	600	603	606	610	614	614	614	614	620	0	8 03	655	17 00	598	57
21				614	614	613	614	614	617	625	636	643	637	633	624	626	620	609	602	593	594	604	604	607	611	608	610	616	0	8 45	644	17 16	584	60
22				612	614	614	616	616	621	626	631	631	627	620	614	616	617	622	623	617	609	607	607	607	609	613	609	617	0	8 38	634	18 00	606	28
23				610	612	613	615	617	619	624	634	636	634	625	615	619	625	623	613	605	602	604	608	608	611	612	611	616	0	8 50	639	17 22	599	40
24				612	613	613	614	617	620	627	627	623	614	604	603	613	621	624	619	615	608	608	608	608	611	612	612	614	0	7 05	630	11 13	602	28
25	✓			612	613	613	614	616	618	623	628	628	619	615	622	624	626	624	618	603	600	603	606	605	607	609	608	615	0	8 08	632	17 19	599	33
26	✓			611	612	613	613	613	617	625	630	627	618	613	613	614	618	620	617	613	609	608	606	606	606	608	608	614	0	7 03	633	19 00	606	27
27				608	609	607	609	611	613	619	624	628	624	623	624	621	628	635	628	613	601	605	608	609	611	610	611	616	0	14 27	637	17 30	599	38
28	✓			611	611	613	614	614	619	631	630	622	617	613	610	613	607	612	611	604	604	604	(604	605	606)	607	610	612	0	6 31	633	17 00	602	31
29				610	611	611	611	613	616	624	633	627	624	621	615	614	616	618	615	613	605	605	606	608	609	613	611	615	0	7 00	634	17 30	603	31
30				608	609	610	611	612	613	619	629	624	612	608	605	613	622	613	613	609	603	603	609	609	610	610	610	612	0	8 02	633	17 30	602	31
31																																		
MEANS ALL DAYS a)				612	612	613	614	617	620	627	632	628	621	616	615	616	618	620	617	610	606	607	609	610	611	612	611	616						39 a)
MEANS TEN DAYS *				612	612	613	614	615	619	627	630	625	616	612	615	618	618	620	619	611	606	607	608	608	609	610	610	615						34
MEANS FOUR DAYS (G. M. T.) † b)				612	612	612	614	615	618	626	626	619	613	610	610	612	618	625	626	615	608	608 608	610 608	610	610	611	611	615						
MEANS FIVE DAYS (G. M. T.) ‡				613	613	614	616	621	624	630	640	642	635	630	626	619	619	620	610	606	605	608	613	615	614	615	612	619						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day June 14

b) Omitting incomplete Greenwich day June 14

TABLE 112

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1924

JULY 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			610	611	612	613	614	617	625	634	634	624	619	618	623	622	614	613	613	609	609	609	608	611	609	609	616	0	8 02	636	20 17	606	30
2	✓			609	609	608	608	612	614	625	634	632	623	614	611	607	602	599	608	609	608	607	608	611	612	612	612	612	0	7 18	635	13 43	596	39
3	✓	✓		609	609	609	612	615	618	626	633	627	617	615	613	615	615	617	619	615	608	606	608	608	607	607	607	614	0	7 20	635	17 38	604	31
4	✓	✓		608	609	609	611	614	617	627	639	642	634	626	623	615	614	616	614	611	607	606	606	606	607	607	609	616	0	8 28	644	18 04	605	39
5	✓			611	611	614	614	615	617	620	624	622	616	614	616	619	631	632	621	608	602	602	605	606	607	607	608	614	0	13 52	635	17 39	598	37
6	✓			608	611	613	614	615	616	624	629	625	616	609	604	605	606	606	602	594	592	596	600	603	604	606	607	609	0	7 35	632	17 22	591	41
7				611	613	609	609	613	613	616	618	618	616	616	622	629	628	621	606	601	603	607	607	609	610	612	613	613	0	13 02	631	15 53	598	33
8				613	612	609	609	613	613	616	621	616	605	601	605	612	612	614	614	608	604	604	604	605	608	609	611	610	0	7 18	623	9 54	599	24
9			✓	610	611	613	613	612	613	624	625	625	623	616	616	618	615	610	605	602	600	603	604	605	608	610	610	612	1	7 10	633	17 22	598	35
10				610	611	613	613	612	614	613	614	614	608	607	606	615	623	632	624	618	613	608	608	608	609	610	609	613	1	14 20	633	9 56	604	29
11				607	609	610	610	611	613	624	630	626	613	605	609	615	619	620	615	609	605	605	606	607	609	610	610	612	0	7 03	632	10 27	604	28
12				610	611	610	612	613	614	622	627	624	615	614	619	624	619	618	614	606	605	604	604	604	605	606	608	613	0	7 07	629	17 20	604	25
13				608	607	608	613	614	617	627	631	624	614	605	606	615	624	629	626	614	603	604	605	606	606	606	607	613	0	6 43	633	17 33	601	32
14	✓			607	607	609	610	612	613	614	616	614	609	609	614	621	629	634	634	624	612	604	604	604	606	608	606	613	0	15 10	635	19 20	604	31
15				607	607	608	610	612	615	624	627	619	609	598	596	604	609	609	608	604	603	610	(614)	613	613	613	613	610	0	7 09	630	11 36	594	36
16				613	613	612	614	616	617	626	634	627	614	599	603	609	611	613	619	615	604	601	(605)	605	606	607	609	612	0	7 00	635	10 40	596	39
17				609	609	605	608	613	616	621	621	617	609	600	596	603	613	615	613	607	602	601	604	606	609	611	611	609	0	7 06	624	11 10	595	29
18				613	612	613	615	616	617	623	627	614	601	594	596	603	605	613	617	611	604	604	605	606	607	608	611	610	0	7 32	632	10 06	592	40
19				611	611	612	613	614	616	623	627	623	607	603	605	615	617	617	617	604	599	603	604	605	605	609	608	611	0	7 57	629	17 27	598	31
20			✓	608	609	611	613	617	618	620	622	614	611	612	612	604	604	609	614	607	603	599	602	604	605	608	606	610	1	7 16	624	18 40	597	27
21				608	612	605	604	603	606	612	622	627	629	626	630	633	629	629	620	609	606	604	602	605	608	609	611	615	0	12 36	634	13 35	601	33
22	✓			612	612	612	611	613	614	614	614	610	605	604	600	604	614	624	625	619	611	608	606	606	607	609	609	611	0	15 00	630	11 44	598	32
23	✓	✓		610	611	612	613	614	614	619	623	617	613	604	603	611	617	623	621	610	603	604	606	607	606	608	609	612	0	7 30	624	11 03	599	25
24				608	610	610	613	615	618	622	619	605	597	597	596	599	601	607	616	620	613	606	605	605	605	605	608	608	0	6 58	624	11 20	593	31
25			✓	608	606	609	612	614	621	637	634	615	594	586	593	601	608	604	609	604	595	600	604	606	610	610	612	608	0	6 36	642	10 34	585	57
26			✓	612	608	613	613	611	611	606	604	602	586	592	603	604	610	614	616	614	618	604	604	608	609	609	604	607	1	15 00	620	10 10	580	40
27			✓	610	605	607	610	616	616	624	624	618	604	596	600	604	605	603	610	612	613	614	613	612	612	609	611	610	1	6 58	636	10 45	594	42
28				604	604	605	605	611	613	617	620	618	618	617	618	622	621	619	623	618	612	609	607	606	607	608	608	613	0	15 30	623	0 37	599	24
29				608	608	609	612	613	616	622	619	608	594	598	608	623	634	633	628	616	606	604	606	606	607	608	608	612	0	14 00	636	9 45	594	42
30		✓		607	607	607	610	614	616	624	622	613	602	594	596	602	610	621	624	619	612	608	605	604	607	608	608	610	0	7 07	626	10 30	591	35
31	✓	✓		609	608	608	610	614	620	629	633	624	611	608	611	612	622	626	624	615	607	605	605	606	607	607	606	614	0	6 51	634	17 29	604	30
MEANS ALL DAYS				609	609	610	611	613	615	621	625	620	611	606	608	612	616	617	617	611	606	605	606	606	608	609	609	612						34
MEANS TEN DAYS ✲				609	610	611	612	614	616	622	628	625	617	612	611	613	617	619	618	612	606	605	606	606	607	608	608	613						34
MEANS FIVE DAYS † (G. M. T.)				609	609	609	611	614	617	625	630	625	615	609	609	611	616	621	620	614	607	607 606	607 606	607	608	609	609	613						
MEANS FIVE DAYS ‡ (G. M. T.)				610	608	611	612	614	616	622	622	615	604	600	605	606	608	608	611	608	606	604	604	606	607	608	609	609						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 113

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				604	604	606	612	613	618	629	632	616	598	589	593	598	603	607	613	612	608	607	607	605	607	607	606	608	0	7 23	635	10 34	585	50
2				607	607	608	612	613	616	624	624	616	603	595	594	603	606	613	616	607	601	601	601	602	604	606	607	608	0	6 57	627	11 18	593	34
3				606	607	611	613	614	616	618	615	606	593	585	597	611	615	616	612	602	602	603	603	603	604	605	606	607	0	7 17	622	10 30	583	39
4				609	610	612	613	613	615	627	632	611	601	598	603	610	613	615	614	603	595	600	602	603	607	608	608	609	0	7 20	636	10 26	595	41
5			✓	609	609	609	612	614	616	622	622	613	602	593	593	597	603	608	611	610	600	597	600	605	606	607	609	607	0	7 09	626	10 53	591	35
6				605	604	603	602	603	603	609	614	613	606	605	608	615	623	628	620	610	598	600	603	603	604	606	606	608	0	14 36	631	17 42	595	36
7				605	605	606	606	606	607	608	605	598	593	593	603	612	612	614	613	604	600	601	603	604	607	606	607	605	0	14 59	615	10 25	587	28
8				606	607	605	605	606	605	603	603	599	593	593	605	616	628	630	625	616	605	603	603	604	605	606	606	607	0	13 50	633	10 19	588	45
9	✓			605	605	604	604	606	605	604	601	592	588	600	614	625	623	625	622	613	604	604	605	605	605	605	606	607	0	12 28	627	9 17	585	42
10	✓			606	608	608	607	609	611	611	609	598	585	593	600	610	621	622	617	609	603	603	607	605	605	605	605	607	0	14 01	623	9 33	583	40
11	✓	✓		605	604	605	608	608	613	624	629	624	613	605	605	618	620	616	613	604	603	603	603	604	605	605	605	610	0	7 30	632	18 15	601	31
12	✓	✓		605	605	605	606	608	612	616	621	612	593	590	593	611	626	630	625	617	607	603	604	603	604	604	604	608	0	14 00	632	10 06	586	46
13	✓			606	606	607	608	613	616	626	623	607	595	593	592	605	613	604	608	613	607	603	602	602	603	603	604	607	0	6 50	632	11 18	588	44
14	✓			605	605	607	609	613	615	623	628	623	620	618	609	613	626	623	615	606	602	603	602	602	603	603	603	612	0	7 12	629	17 27	599	30
15				605	605	607	610	612	612	614	615	609	598	597	599	607	626	623	615	(612)	603	603	603	603	603	603	603	608	0	13 40	633	10 02	594	39
16				603	604	605	609	609	613	615	610	593	583	584	596	606	604	603	(604)	603	597	597	598	601	603	603	605	602	0	6 24	617	10 04	582	35
17			✓	607	607	608	613	614	616	622	623	618	612	606	623	620	615	606	606	605	602	599	603	605	604	□			0	11 42	627	18 46	598	29
18			✓							□	627	624	622	624	629	636	640	624	613	610	605	605	605	605	605	605	607		0	13 07	643	[19 20	604	39]
19	✓			604	604	605	608	613	612	617	622	620	618	618	616	615	613	612	612	608	605	604	604	604	605	605	608	610	0	7 32	623	0 25	604	19
20		✓		607	606	606	608	612	614	618	621	621	614	603	600	603	607	612	613	612	608	605	[604]	⧍					0	8 03	623	[11 03	597	26]
21		✓																				⧍	604	603	604	606	605							
22	✓			605	605	607	608	612	616	622	617	606	597	591	594	602	606	614	612	607	602	603	603	603	603	603	604	606	0	6 25	623	10 55	589	34
23				605	605	607	611	614	621	628	623	611	597	585	582	591	602	608	(609)	609	605	603	603	603	603	604	604	606	0	6 37	630	11 24	579	51
24				605	606	608	610	613	616	612	605	600	600	605	621	624	623	618	620	616	605	602	602	601	602	603	604	609	0	12 49	626	9 15	596	30
25	✓	✓		603	605	607	610	613	614	617	614	605	597	598	604	607	612	612	615	613	609	604	603	603	603	604	604	607	0	7 00	619	9 44	595	24
26				604	605	607	611	613	614	617	615	609	596	590	599	606	613	617	619	617	610	607	604	603	603	605	605	608	0	16 30	619	10 25	589	30
27				604	605	605	608	612	613	614	613	602	593	591	591	612	616	613	605	602	603	604	603	603	603	604	604	605	0	13 20	618	10 20	588	30
28	✓			603	604	604	606	611	613	619	619	610	600	590	589	598	613	615	613	609	603	599	602	604	604	604	604	606	0	7 00	620	11 09	585	35
29			✓	603	603	604	608	613	615	623	623	616	615	613	613	623	623	623	614	613	612	615	614	613	610	605	606	613	0	13 00	628	3 00	603	25
30			✓	605	607	609	612	613	616	629	627	621	613	612	614	614	609	605	603	603	603	602	602	603	603	603	604	610	1	6 59	633	19 32	601	32
31				605	604	605	606	615	618	623	623	615	603	593	595	602	606	610	605	603	602	601	601	602	603	604	603	606	0	7 02	624	10 35	592	32
MEANS ALL DAYS a)				605	605	607	609	611	613	618	618	609	600	597	601	609	615	616	614	609	604	603	603	604	604	605	605	608						35 a)
MEANS TEN DAYS ✲				605	605	606	607	611	613	618	618	610	601	600	602	610	617	617	615	610	604	603	604	604	604	604	605	608						34
MEANS FOUR DAYS c) G. M. T. †				605	605	606	608	610	613	619	621	616	604	599	600	610	616	618	616	612	607	603 604 604 604		604	604	604	606	609						
MEANS FOUR DAYS c) G. M. T. ‡				606	606	608	611	614	616	624	624	617	610	606	611	614	612	610	608	608	604	603	604	605	606	605	606	610						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧍ = NO RECORD

a) Twenty-seven days only, omitting incomplete days August 17, 18, 20 and 21
b) Omitting incomplete Greenwich day August 21
c) Omitting incomplete Greenwich day August 18

TABLE 114

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1924

SEPTEMBER 1924

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	603	591	586	605	614	616	626	626	617	612	604	602	603	603	603	602	602	607	609	606	604	604	605	604	606	0	7 12	631	2 09	580	51
2	✓	✓		605	605	607	610	612	618	627	625	623	617	613	614	616	620	613	613	605	603	604	603	603	603	603	603	611	0	6 57	629	17 15	601	28
3				603	603	604	605	608	613	619	621	616	613	611	606	605	613	622	621	613	604	605	604	605	605	605	604	610	0	14 54	623	1 56	602	21
4				603	599	602	606	610	613	615	613	613	611	610	603	601	599	599	602	602	600	602	602	602	602	601	602	605	1	7 06	619	1 32	595	24
5				605	607	612	615	620	624	624	627	625	619	603	595	597	605	613	612	606	603	598	595	601	602	605	606	609	0	8 06	628	11 13	593	35
6				603	603	603	607	611	619	627	630	629	620	610	602	603	607	615	617	612	605	607	604	603	603	603	603	610	0	7 43	633	12 24	601	32
7			✓	603	603	604	605	608	613	617	622	619	617	612	605	604	606	611	613	621	615	613	605	603	603	602	601	609	1	7 00	625	22 22	596	29
8			✓	605	609	610	611	612	613	622	624	623	613	608	606	613	614	605	618	614	611	608	607	605	606	605	603	611	1	7 39	629	23 32	602	27
9				603	604	606	610	613	620	631	628	616	605	602	600	603	614	623	622	613	606	605	605	605	604	603	602	610	0	6 36	633	11 30	595	38
10	✓			602	603	606	608	612	619	629	632	623	615	609	603	613	623	623	616	610	603	604	604	603	603	603	603	611	0	7 14	633	0 01	599	34
11	✓	✓		603	603	603	605	611	615	623	613	601	592	585	590	603	614	616	620	613	605	604	605	604	603	603	603	606	0	6 09	624	10 30	583	41
12				604	607	608	611	612	615	625	622	610	595	587	586	592	600	598	603	607	603	605	606	608	605	605	605	605	0	6 57	626	10 48	583	43
13				609	608	613	613	615	623	632	632	623	615	606	596	603	617	623	617	612	604	603	603	603	603	603	603	612	0	7 07	634	11 24	594	40
14	✓			604	604	605	608	612	614	613	612	602	597	598	603	612	627	632	626	617	606	602	602	602	603	603	601	609	0	14 34	633	10 19	595	38
15				600	602	603	609	613	615	615	613	605	599	593	592	594	597	603	612	613	606	603	603	603	603	603	603	604	0	5 45	620	10 47	585	35
16	✓	✓		603	603	603	606	612	613	616	617	617	612	595	593	595	593	592	(600)	601	601	601	602	602	603	603	603	604	0	7 34	618	11 18	588	30
17	✓	✓		604	604	604	606	609	609	613	618	621	623	622	624	618	612	604	605	601	599	602	604	604	603	604	603	609	0	11 30	626	17 30	598	28
18				602	601	603	604	604	605	605	603	602	607	611	616	624	629	(625)	623	612	604	602	602	599	602	603	604	608	0	13 45	630	20 20	597	33
19	✓			605	603	605	605	606	607	609	608	603	609	618	625	631	633	628	615	607	603	602	602	602	602	602	602	610	0	13 08	634	9 15	601	33
20	✓	✓		602	602	603	603	604	603	603	597	594	592	593	601	615	617	619	614	608	601	601	601	602	602	602	602	603	0	14 35	621	9 30	590	31
21				600	600	601	602	604	607	611	610	605	601	607	622	628	632	628	622	608	598	598	599	599	597	597	598	607	0	13 38	632	18 12	595	37
22	✓			600	600	600	600	603	596	612	607	603	597	594	599	609	613	615	613	605	600	601	603	603	599	599	599	603	0	14 45	616	10 30	592	24
23				601	600	601	603	606	612	616	624	623	614	604	601	602	603	602	599	602	603	605	611	603	607	601	596	606	0	7 30	625	23 00	589	36
24			✓	603	603	603	605	613	618	624	622	614	599	591	593	601	603	603	605	602	602	604	607	606	604	606	604	606	0	6 28	624	10 48	586	38
25				604	604	606	607	609	608	605	601	596	593	601	613	625	632	626	624	614	609	606	605	603	605	604	604	608	0	13 15	633	9 18	590	43
26				604	603	604	605	607	609	609	605	602	594	593	601	608	613	616	615	609	605	605	606	605	605	603	603	605	0	14 24	617	10 27	590	27
27			✓	605	605	603	603	608	612	609	605	602	594	596	605	622	619	615	(611)	606	602	602	603	602	603	604	602	606	1	13 03	623	9 15	587	36
28				603	604	605	606	610	613	613	611	601	583	583	588	594	604	608	606	600	600	603	604	606	606	606	605	603	0	6 04	616	10 04	577	39
29				604	605	604	607	608	613	620	622	628	623	623	630	633	619	606	602	596	600	603	605	603	604	605	605	611	0	12 21	635	16 36	595	40
30	✓			605	604	604	603	604	607	613	614	613	614	622	633	632	625	614	603	601	601	601	602	602	602	602	602	609	0	11 41	634	16 35	600	34
31																																		
MEANS ALL DAYS				603	603	604	606	610	613	617	617	612	606	603	605	610	614	613	612	608	604	604	604	603	603	603	603	608						34
MEANS TEN DAYS *				603	603	604	605	608	610	616	614	610	607	605	608	614	618	616	612	607	602	602	603	603	602	602	602	607						32
MEANS FIVE DAYS † (G. M. T.)				603	603	604	606	610	612	616	614	611	607	602	604	609	611	609	610	606	602	604 602	603 603	603	603	603	603	607						
MEANS FIVE DAYS ‡ (G. M. T.)				604	602	601	606	611	614	620	620	615	607	602	602	609	609	607	610	609	607	607	605	603	604	603	601	607						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 115

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			602	602	602	604	605	608	616	613	608	602	596	597	601	598	600	603	603	604	603	603	604	603	603	603	603	0	7 06	617	11 05	594	23
2	✓			603	601	602	603	604	609	613	612	610	608	615	623	628	623	610	597	593	598	601	602	602	602	603	602	607	0	12 30	630	16 15	592	38
3				602	602	602	602	602	603	605	613	618	613	610	616	627	627	620	607	597	597	599	601	600	601	603	603	607	0	12 58	630	16 51	595	35
4				602	602	602	603	604	606	603	607	613	613	614	622	628	623	614	605	602	605	607	607	606	607	605	602	608	1	12 58	631	6 29	598	33
5				600	597	597	599	602	601	600	601	605	617	631	643	648	645	640	625	614	605	603	604	603	603	602	603	612	0	12 42	649	6 52	595	54
6				601	598	597	597	599	601	600	601	600	596	601	606	613	615	613	601	597	603	602	602	602	602	603	602	602	0	13 51	619	9 40	594	25
7				599	597	597	597	601	595	595	596	599	603	607	614	625	632	627	613	603	601	601	602	602	601	602	601	605	1	13 39	634	4 51	589	45
8				599	598	600	600	602	607	611	613	608	603	603	610	614	619	613	601	593	594	597	602	603	601	601	599	604	0	13 45	621	17 02	590	31
9	✓			596	596	597	598	599	598	602	608	611	606	610	616	615	614	623	619	607	602	601	601	602	601	600	599	605	0	14 45	625	1 27	595	30
10	✓			597	597	598	598	600	599	594	596	602	602	603	605	605	604	612	610	602	602	603	604	603	603	603	602	602	0	15 00	616	6 55	592	24
11	✓	✓		602	601	601	602	604	607	606	611	610	606	605	604	611	617	621	615	604	602	601	602	601	601	601	601	606	0	14 32	622	18 27	600	22
12	✓	✓		598	598	598	601	603	606	613	616	617	616	621	615	611	612	610	602	593	594	597	599	599	599	600	601	605	0	10 24	622	17 00	591	31
13	✓			600	599	598	600	601	598	595	600	602	602	612	620	623	623	621	609	596	597	600	600	600	600	601	601	604	0	13 34	625	6 34	593	32
14	✓	✓		600	599	599	600	601	603	604	605	605	605	611	609	612	614	613	602	595	597	599	602	602	602	602	602	603	0	13 09	616	17 00	593	23
15				601	599	599	597	598	602	602	604	602	595	605	615	615	612	608	(599)	591	596	598	602	602	600	600	598	602	1	12 09	619	16 30	590	29
16				595	593	592	594	595	596	595	605	615	621	631	630	623	619	615	(603)	594	597	595	599	599	601	603	602	605	1	10 48	635	3 15	590	45
17				601	598	596	596	599	603	603	604	604	609	618	628	625	622	618	613	606	602	598	599	600	600	602	599	606	1	12 00	632	2 00	595	37
18			✓	598	596	593	595	598	602	597	597	599	599	621	623	617	617	611	602	597	598	602	603	605	603	601	601	603	1	11 42	624	9 12	588	36
19	✓			601	598	598	596	601	602	591	591	593	597	610	616	619	629	627	612	597	593	596	599	600	601	601	600	603	0	14 06	632	7 06	589	43
20				598	596	595	595	595	593	588	591	593	602	606	610	615	615	615	607	593	592	598	601	601	601	600	597	600	0	14 04	618	6 48	587	31
21				597	596	596	596	596	592	582	577	577	581	590	595	603	616	622	607	595	596	598	602	603	601	600	598	596	1	14 34	623	8 09	575	48
22				593	595	595	595	595	593	588	590	596	604	613	621	623	622	617	605	593	597	598	606	607	606	603	598	602	0	12 55	624	7 06	585	39
23			✓	593	586	590	597	598	593	592	603	605	612	612	617	613	608	604	603	598	593	591	596	603	607	604	607	601	2	11 40	622	2 00	579	43
24			✓	604	599	597	595	589	593	602	613	624	629	626	623	615	612	610	601	593	598	606	612	612	611	609	602	607	2	10 46	633	4 49	585	48
25			✓	594	591	595	595	593	595	597	603	607	613	618	623	626	624	620	605	595	596	603	605	605	604	603	602	605	1	12 35	629	1 24	585	44
26				601	600	598	597	600	599	591	593	597	602	605	612	615	614	616	611	602	598	598	602	602	601	601	602	602	0	14 54	619	6 55	588	31
27			✓	601	597	597	598	601	595	591	596	604	610	619	625	619	612	613	(606)	595	596	599	602	604	605	606	603	604	0	11 33	629	6 00	588	41
28				603	601	598	602	601	592	581	579	583	591	602	613	616	611	602	596	595	600	603	604	605	603	603	602	599	0	12 27	618	6 54	577	41
29	✓	✓		600	599	598	600	600	598	595	594	594	602	613	613	610	603	602	604	602	600	602	603	603	603	602	600	602	0	11 16	617	6 48	592	25
30		✓		597	597	597	596	597	600	603	607	608	611	615	613	605	605	611	606	605	605	606	607	604	602	600	598	604	0	10 15	617	3 30	595	22
31				595	593	593	595	598	599	595	596	601	605	608	607	607	606	608	602	598	601	605	607	604	603	601	597	601	0	10 48	613	1 45	591	22
MEANS ALL DAYS				599	597	597	598	599	600	598	601	603	606	611	616	617	617	615	606	598	599	600	603	603	603	602	601	604						35
MEANS TEN DAYS ✲				600	599	599	600	602	603	603	605	605	605	610	612	614	614	614	607	599	599	600	602	602	602	602	601	604						29
MEANS FIVE DAYS † (G. M. T.)				599	599	599	600	601	603	604	607	607	608	613	611	610	610	611	606	600	600	602 601	603 603	602	602	602	601	604						
MEANS FIVE DAYS ‡ (G. M. T.)				598	594	594	596	596	596	596	602	608	613	619	622	618	615	612	603	596	596	600	603	605	605	604	602	604						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 116

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	596	596	599	601	602	599	586	584	591	603	620	633	630	624	615	603	603	601	605	611	609	605	603	603	605	0	11 28	634	7 00	581	53
2				601	600	600	602	603	601	587	585	593	603	615	633	633	628	624	611	596	598	601	603	607	604	602	599	605	0	12 14	636	7 14	583	53
3	✓			594	593	593	594	596	592	583	583	590	603	605	614	618	609	603	596	593	597	600	602	605	602	601	597	598	0	12 28	620	7 03	581	39
4				596	596	596	597	598	595	591	591	595	605	611	621	620	621	622	616	605	600	601	602	602	601	600	597	603	0	14 20	623	8 06	588	35
5	✓	✓		596	595	595	594	596	596	594	592	596	608	615	623	623	619	613	602	592	591	597	602	601	599	599	596	601	0	11 48	624	17 09	587	37
6				591	589	589	589	592	591	583	577	576	581	593	607	622	627	623	620	613	606	607	608	609	607	605	602	600	0	13 30	629	9 03	575	54
7				601	598	598	596	596	595	585	586	593	598	606	612	612	612	608	601	595	594	597	601	602	601	601	600	600	0	13 00	613	6 59	583	30
8	✓	✓		597	596	595	595	595	591	585	592	596	601	601	601	605	607	606	603	597	597	600	601	601	601	598	598	598	0	13 32	608	6 08	583	25
9				597	597	593	592	592	589	591	596	601	605	611	620	623	623	613	607	602	595	596	599	600	599	597	597	601	1	12 28	628	5 48	588	40
10				593	592	592	592	595	596	593	592	602	613	621	623	623	616	615	603	592	593	601	602	603	602	602	599	602	0	12 27	624	17 06	589	35
11	✓			597	594	594	595	598	593	591	593	600	611	623	625	615	603	601	592	590	592	598	603	601	600	597	596	600	0	11 12	627	6 05	589	38
12				592	591	592	591	595	593	590	590	599	611	615	615	601	590	593	590	591	602	605	607	606	607	605	603	599	0	11 03	617	15 45	586	31
13			✓	596	594	599	599	602	603	601	603	610	623	635	638	639	630	619	603	593	595	601	606	611	608	609	608	609	1	12 17	645	17 05	587	58
14				602	597	598	601	599	596	592	592	597	606	613	614	614	609	603	(600)	591	593	598	599	602	601	601	601	601	0	11 21	618	17 08	590	28
15				599	597	596	595	598	595	598	609	622	629	626	624	614	604	597	(594)	589	588	597	604	603	602	603	602	604	0	9 27	632	17 30	587	45
16	✓			598	596	595	594	594	589	587	597	615	623	624	629	628	622	609	598	589	593	598	601	603	603	601	602	604	0	12 15	635	6 00	583	52
17	✓	✓		597	596	593	593	595	594	591	603	615	623	624	621	608	588	(580)	582	589	593	597	603	603	601	595	596	599	0	10 21	628	[15 00	578	50]
18	✓	✓		593	603	593	592	593	592	582	585	592	603	613	623	622	613	611	611	603	593	595	597	597	597	598	596	600	0	12 09	625	6 32	577	48
19			✓	595	593	592	590	591	583	574	575	595	598	613	617	612	604	606	604	603	598	602	603	601	596	595	596	597	2	11 46	624	6 30	572	52
20				593	592	592	594	598	593	582	585	602	612	619	630	632	621	614	605	603	601	600	602	602	599	596	594	603	0	12 13	634	6 34	577	57
21				592	592	593	593	596	592	586	595	613	625	634	642	634	617	605	602	596	596	600	601	601	597	596	595	604	0	11 48	645	6 19	584	61
22				595	593	592	593	595	589	577	579	590	595	601	604	605	607	603	601	593	596	601	601	601	601	599	597	596	0	13 45	608	6 48	573	35
23	✓			596	593	592	593	591	586	583	589	594	603	614	614	607	599	593	587	587	588	594	599	598	598	597	595	595	0	10 44	619	6 06	581	38
24			✓	594	592	594	594	594	589	582	582	595	613	623	614	604	609	608	603	601	599	591	604	611	613	614	613	602	2	10 51	632	7 28	577	55
25	✓			613	613	610	605	606	599	582	584	593	602	605	624	624	613	607	604	601	595	597	603	603	600	596	601	603	0	12 01	632	6 30	581	51
26			✓	599	595	599	595	593	584	572	575	595	605	616	621	617	609	602	610	613	613	613	612	607	602	601	594	602	1	11 33	622	7 00	570	52
27				591	587	589	591	591	576	565	577	592	595	605	613	614	608	602	595	594	599	605	605	604	602	599	593	596	1	11 57	616	6 15	563	53
28				589	583	583	585	585	582	584	591	594	608	617	615	613	608	607	603	599	600	603	603	602	603	602	602	598	1	10 56	637	5 36	580	57
29				601	595	593	594	597	592	582	587	604	621	630	630	623	613	595	584	581	586	594	601	599	598	597	597	600	0	11 04	632	16 33	579	53
30	✓	✓		598	595	594	593	593	589	581	584	593	601	612	615	612	603	596	593	593	594	597	602	602	601	599	595	597	0	11 07	617	6 48	578	39
31																																		
MEANS ALL DAYS				596	595	594	594	596	592	585	588	598	608	615	620	618	612	606	601	596	596	600	603	603	602	600	599	601						45
MEANS TEN DAYS ✲				598	597	595	595	596	592	586	590	598	608	614	619	616	608	602	597	593	593	597	601	601	600	598	597	600						42
MEANS FIVE DAYS † (G. M. T.)				596	597	594	593	594	592	587	591	598	607	613	617	614	606	601	598	595	594	597 597	602 601	602	601	599	598	599						
MEANS FIVE DAYS ‡ (G. M. T.)				596	594	597	596	596	592	583	584	597	608	621	625	620	615	610	605	603	601	602	603	602	601	599	598	602						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 117

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1924

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				593	592	592	592	592	586	585	601	615	622	625	626	621	613	602	596	593	593	600	601	600	600	597	595	601	0	11 33	628	6 12	581	47
2				595	594	593	593	595	592	583	589	596	602	603	608	601	595	593	591	593	593	596	600	601	596	595	593	595	0	11 12	611	6 30	582	29
3				593	593	593	593	595	592	583	588	605	622	632	633	629	619	606	601	594	593	599	601	601	601	600	595	603	0	11 04	636	6 40	582	54
4	✓			595	593	593	593	595	591	583	592	611	622	626	629	626	621	609	603	599	593	596	600	600	600	598	595	603	0	11 44	631	6 30	582	49
5	✓	✓		594	591	591	591	590	581	572	580	595	609	618	625	623	614	603	590	584	586	593	601	599	595	595	595	596	0	11 33	629	6 26	571	58
6	✓	✓		593	593	592	591	588	582	576	582	591	601	610	621	627	624	605	593	592	593	595	597	595	594	593	591	597	0	13 00	632	6 10	574	58
7				589	588	588	588	590	582	572	576	589	595	611	619	622	613	600	590	593	601	602	605	603	601	596	592	596	0	12 10	624	6 50	70	54
8				590	585	586	585	585	581	574	568	603	612	613	615	622	612	605	596	592	592	595	599	598	595	592	590	596	0	12 30	623	6 12	572	51
9				590	592	591	590	590	584	581	588	603	613	614	616	622	620	620	613	601	595	596	598	597	595	595	593	600	0	12 46	623	6 12	579	44
10				592	589	588	591	591	583	572	578	586	592	593	596	602	602	594	591	590	593	595	598	597	595	595	593	592	0	13 12	605	7 00	570	35
11				593	592	592	591	591	585	583	595	611	617	623	631	625	622	614	603	598	594	596	602	602	603	599	597	602	0	11 27	633	6 15	580	53
12			✓	593	595	592	585	585	583	574	585	596	615	635	637	623	611	603	606	608	608	604	604	603	603	602	593	602	1	11 14	650	6 40	572	78
13			✓	590	591	594	593	592	586	582	591	606	615	625	629	615	592	586	584	590	592	593	601	601	601	599	595	598	0	11 03	632	6 30	580	52
14	✓			593	593	592	591	589	585	583	599	615	630	641	650	634	623	614	604	588	583	587	595	601	598	597	593	603	0	11 12	653	6 09	581	72
15				592	590	587	590	592	587	576	581	595	606	623	638	632	622	618	606	593	588	591	597	601	601	600	598	600	0	11 45	641	6 18	573	68
16	✓	✓		596	595	593	593	593	584	572	584	595	611	621	633	633	614	600	(585)	579	581	585	594	594	596	598	600	597	0	11 57	638	6 33	571	67
17				595	593	591	591	592	590	585	596	611	614	617	621	617	607	605	600	590	584	594	605	606	603	601	601	600	1	11 07	623	17 12	580	43
18				598	596	593	592	592	585	576	583	593	606	623	635	623	606	606	605	595	586	588	595	598	601	601	600	599	0	11 45	637	6 30	574	63
19				600	599	597	594	594	591	577	573	580	595	617	633	638	642	643	631	611	601	598	602	602	598	596	593	604	1	14 12	647	7 12	572	75
20			✓	592	588	590	592	596	593	585	587	595	603	624	632	623	612	(597)	587	592	597	601	609	610	611	605	604	601	1	10 55	640	15 42	583	57
21			✓	595	593	595	597	595	589	585	593	604	612	626	631	616	606	605	601	593	593	591	599	599	599	599	595	600	2	11 06	633	6 06	580	53
22				593	593	593	591	592	587	580	580	585	592	610	616	615	603	601	605	602	597	593	597	598	602	601	597	597	2	12 01	625	7 40	576	49
23			✓	597	594	593	594	594	591	584	585	593	606	625	640	638	630	628	621	611	602	600	598	596	595	595	592	604	1	11 56	643	6 04	583	60
24				592	591	592	593	594	592	588	590	592	612	633	645	638	612	597	591	593	593	593	596	594	594	594	594	600	0	11 26	646	6 15	585	61
25	✓			591	591	591	592	592	590	588	597	604	605	606	613	597	580	580	586	592	591	595	598	596	595	594	593	594	0	11 30	616	13 51	573	43
26				593	592	592	588	587	580	568	579	592	603	622	626	623	591	572	571	572	586	595	601	600	599	595	593	592	0	12 01	633	6 28	565	68
27	✓			591	587	590	591	590	586	581	585	603	620	643	646	632	605	587	580	582	583	590	596	598	595	593	592	598	0	11 00	650	15 30	578	72
28	✓			591	589	586	585	585	582	582	591	609	631	654	663	634	611	603	591	585	584	588	595	596	597	596	593	601	0	11 30	668	6 06	578	90
29	✓	✓		593	591	586	583	583	574	566	577	602	631	652	653	635	622	616	603	595	593	593	596	595	593	593	592	601	0	11 00	655	6 26	563	92
30	✓	✓		592	591	591	591	593	591	581	578	591	605	622	623	621	603	603	593	587	591	592	600	601	600	598	593	597	0	10 50	624	7 00	576	48
31				591	590	586	587	588	583	572	573	589	603	613	616	620	618	596	588	593	594	595	599	600	597	597	599	595	0	13 00	623	6 43	570	53
MEANS ALL DAYS				593	592	591	591	591	586	579	586	599	610	623	629	623	612	604	597	593	592	594	599	599	598	597	595	599						58
MEANS TEN DAYS ✲				593	591	590	590	590	585	578	566	602	616	629	636	626	612	602	593	588	588	591	597	598	596	596	594	599						65
MEANS FIVE DAYS (G. M. T.) †				594	592	591	590	589	583	573	580	595	611	625	631	628	615	605	593	587	589	592 592	598 598	598	597	596	595	598						
MEANS FIVE DAYS (G. M. T.) ‡				593	592	593	592	592	588	582	588	599	610	627	634	623	610	604	600	599	598	598	603	603	603	601	597	601						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 118

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1924

JANUARY 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		702	702	703	703	702	702	701	712	731	755	785	808	823	807	787	752	719	702	697	701	702	703	703	704	729	0	12 40	830	18 13	696	134
2				705	706	709	708	707	713	717	720	730	749	779	803	803	789	771	761	741	728	723	725	726	711	711	712	735	0	11 24	810	0 01	704	106
3				705	704	702	710	721	726	725	706	736	712	762	795	795	764	725	696	675	673	678	678	678	689	694	692	714	1	12 52	818	17 24	665	153
4	✓			691	694	694	692	694	701	713	721	732	747	756	757	756	738	726	718	710	699	694	695	697	702	700	699	714	0	11 50	763	0 27	690	73
5				699	699	698	696	699	707	718	721	729	745	752	751	733	716	684	673	684	702	705	702	700	700	700	700	709	0	10 57	765	15 42	670	95
6				698	700	703	705	706	710	723	745	774	800	802	799	783	758	731	706	694	694	708	708	708	707	708	710	728	0	11 32	811	17 06	683	128
7				707	704	702	710	710	711	719	741	775	797	802	800	779	748	724	697	690	698	698	702	706	706	706	709	727	0	10 08	812	15 55	680	132
8				711	713	712	710	711	711	714	730	755	787	794	791	773	742	722	696	682	677	690	701	704	703	705	706	722	0	10 21	800	17 00	668	132
9				706	707	711	712	714	723	725	736	773	809	833	834	808	768	714	685	674	693	710	710	711	710	713	716	733	0	11 08	841	16 20	667	174
10			✓	712	712	710	721	722	738	739	726	737	776	785	785	724	714	686	659	635	665	682	679	678	682	689	689	710	1	10 24	815	16 25	628	187
11				685	687	689	695	697	701	712	732	766	795	812	793	757	696	647	632	641	659	681	687	691	698	703	700	706	0	10 43	819	15 47	625	194
12	✓	✓		700	699	698	702	703	708	724	747	781	806	800	767	704	660	638	650	661	678	692	697	698	700	701	700	709	0	9 52	810	14 30	634	176
13	✓	✓		698	698	698	700	701	707	718	731	747	762	768	770	764	744	721	690	677	689	704	706	705	704	704	704	717	0	11 47	772	16 18	675	97
14	✓	✓		705	704	704	704	707	711	719	735	764	784	776	763	750	730	697	680	674	683	700	706	706	706	706	705	717	0	9 34	788	16 35	672	116
15				701	700	701	703	706	710	721	738	769	808	816	795	780	734	723	723	705	686	699	699	701	687	674	680	723	1	10 06	835	22 39	669	166
16				692	696	700	702	701	699	716	734	742	775	799	805	791	771	741	716	695	684	686	694	690	689	689	688	721	1	11 51	815	0 02	677	138
17	✓			688	695	698	697	701	706	712	725	758	794	811	813	791	771	737	698	684	684	694	694	694	694	692	694	722	0	11 12	820	16 55	681	139
18	✓			694	696	699	701	703	706	713	724	735	754	764	762	758	753	742	731	721	709	695	(694)	695	697	697	698	718	0	11 15	778	[18 36	690	88
19				697	694	695	700	707	716	722	736	755	771	746	698	680	686	698	715	708	704	703	(705)	704	707	710	710	711	1	9 18	791	12 10	672	119
20	✓	✓		708	705	702	705	707	710	722	742	764	787	791	782	762	742	733	732	728	716	712	709	709	708	710	713	729	0	10 32	798	2 57	701	97
21	✓			712	712	709	709	711	713	720	737	773	794	829	809	789	753	724	703	692	697	707	708	701	692	679	675	727	0	10 37	840	23 15	672	168
22			✓	689	693	698	698	698	705	715	736	764	769	782	778	748	690	647	677	699	704	699	(696)	692	658	683	694	709	1	11 00	819	14 35	635	184
23			✓	699	677	683	680	683	693	697	715	737	775	800	796	764	713	667	635	646	671	686	692	688	695	690	685	703	1	10 44	828	16 21	624	204
24				688	688	690	693	695	695	706	720	758	793	823	822	777	736	716	707	711	705	696	690	683	690	693	691	719	1	11 00	845	20 08	677	168
25				691	690	690	693	697	698	711	733	778	817	836	815	765	709	671	661	662	675	693	697	697	697	700	700	716	1	10 12	853	16 07	658	195
26				695	696	698	695	697	700	710	729	778	805	812	815	754	693	658	661	678	691	695	690	691	693	694	693	713	1	11 05	827	14 54	653	174
27				695	694	696	699	700	704	712	733	766	802	817	823	808	781	750	718	702	697	701	705	705	704	705	703	730	0	11 33	830	1 54	693	137
28	✓			700	701	701	703	704	706	708	716	754	798	830	838	820	790	753	720	702	704	706	703	701	702	703	704	732	0	11 18	846	0 42	696	150
29			✓	719	726	715	718	741	740	726	726	784	829	817	829	896	817	709	634	581	580	585	595	609	630	631	633	707	2	12 36	1045	17 00	567	478
30			✓	642	658	656	646	653	661	657	658	678	699	722	738	739	721	693	696	694	685	677	672	674	680	677	675	681	2	12 08	754	0 01	634	120
31				673	676	674	671	674	676	685	703	734	759	771	752	732	703	676	653	659	671	678	678	678	676	676	676	692	0	10 28	775	15 32	645	130
MEANS ALL DAYS				697	698	698	699	702	707	714	726	753	779	793	790	771	740	710	693	685	687	693	694	694	694	695	695	717						153
MEANS TEN DAYS ✻				700	701	701	702	703	707	715	729	754	778	791	787	772	749	726	707	697	696	700	701	701	701	700	700	721						124
MEANS FIVE DAYS † (G. M. T.)				703	702	701	703	704	708	717	733	757	779	784	778	761	737	715	701	692	694	696 701	700 704	700	703	704	703	720						
MEANS FIVE DAYS ‡ (G. M. T.)				692	693	692	693	699	707	707	712	740	770	781	785	774	731	680	660	651	661	666	682	683	678	682	684	704						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 119

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

FEBRUARY 1924

FEBRUARY 1924

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			678	680	680	683	685	689	695	709	738	758	777	779	771	756	753	736	724	710	700	698	706	706	704	692	717	0	11 15	785	0 18	677	108
2				685	686	685	688	691	695	710	733	764	781	776	743	708	680	669	679	687	698	701	704	703	700	697	697	707	0	9 37	787	14 33	666	121
3				696	696	696	698	702	712	730	767	809	832	824	802	768	693	677	678	693	706	(705)	700	700	700	703	704	725	0	10 01	861	15 04	673	188
4				704	703	701	701	701	705	712	736	772	802	819	803	766	729	698	690	689	696	699	703	705	705	703	702	723	0	10 07	829	16 18	683	146
5			✓	702	705	708	716	717	725	728	748	779	806	814	789	767	731	704	697	690	614	603	629	650	674	682	672	710	1	10 55	838	18 42	594	244
6			✓	665	677	679	681	683	683	692	718	▽					▽	687	654	655	671	684	685	682	684	687	684		1			15 51	643	
7				684	685	684	690	692	692	(696)	715	751	793	826	811	782	729	684	658	655	670	689	695	697	697	695	697	711	0	10 24	837	16 06	645	192
8	✓			697	696	696	697	699	(699	700	726)	766	814	835	819	778	739	693	667	673	682	692	697	697	699	699	700	719	0	10 36	838	15 23	664	174
9	✓			702	702	702	700	700	701	697	709	750	794	825	831	815	784	740	699	675	672	686	693	695	700	700	702	724	0	11 22	835	17 14	668	167
10				702	698	704	706	709	708	705	720	755	794	818	824	833	791	736	700	685	687	691	690	690	686	680	684	725	1	12 38	849	16 56	676	173
11				690	693	702	699	699	699	695	694	718	749	780	795	806	795	772	735	698	684	693	702	704	704	700	698	721	0	12 24	813	17 36	683	130
12				695	699	706	702	700	701	692	684	702	737	764	779	792	783	759	731	704	695	697	699	697	689	687	687	716	0	12 39	796	7 22	680	116
13	✓			688	692	695	697	699	697	689	692	720	757	783	792	795	792	773	743	711	692	692	696	697	696	697	698	720	0	12 20	799	7 06	685	114
14	✓	✓		693	694	695	700	700	701	699	704	726	753	773	779	779	769	750	730	711	704	703	707	707	706	705	704	720	0	12 03	784	0 29	693	91
15	✓	✓		701	699	697	699	701	705	707	719	746	767	773	764	755	739	722	713	710	707	703	703	704	705	704	719	719	0	10 00	778	3 00	696	82
16				723	713	698	692	693	701	704	694	705	749	768	767	786	761	751	738	723	711	710	709	705	703	699	698	721	2	12 54	841	7 45	678	163
17				696	697	696	698	696	701	702	694	715	717	732	729	733	717	717	716	708	700	698	701	701	701	700	702	707	1	10 47	752	7 47	689	63
18	✓	✓		701	702	701	702	705	707	714	727	747	761	755	718	706	706	712	723	725	719	713	(714)	710	709	708	708	716	1	9 19	765	2 21	700	65
19	✓			708	707	709	710	711	712	719	729	747	768	773	778	766	764	765	732	706	699	703	(712)	710	699	698	691	726	1	14 15	793	23 50	685	108
20			✓	694	695	698	702	706	712	704	707	699	710	699	689	692	690	649	677	684	684	683	688	689	691	689	686	692	2	12 12	766	14 12	631	135
21			✓	690	687	688	694	698	698	702	716	739	762	778	782	748	730	704	702	702	702	698	693	693	688	693	692	712	1	11 34	839	21 18	679	160
22				698	704	697	697	699	699	(690)	687	718	748	777	770	765	749	739	721	706	698	699	699	698	698	694	696	714	1	10 27	795	7 12	668	127
23			✓	695	699	695	699	698	696	690	680	▽										▽	702	701	700	702	700		0					
24				698	699	701	699	704	703	695	695	728	772	793	791	810	792	769	738	717	702	697	701	700	695	697	704	725	1	12 28	818	7 17	686	132
25				697	695	697	704	696	703	682	661	680	728	778	788	796	782	756	728	705	696	686	685	680	684	690	694	712	0	12 48	802	7 29	652	150
26				695	694	703	698	696	702	694	693	717	739	777	778	(788)	782	761	738	723	709	700	701	701	699	700	700	720	1	10 42	816	7 02	689	127
27				698	698	701	703	704	704	695	676	684	714	734	754	760	765	761	739	722	706	701	701	701	699	698	700	713	1	13 45	771	7 24	666	105
28	✓	✓		700	700	700	700	700	700	692	685	698	735	760	787	799	796	782	750	722	706	698	693	694	694	691	692	720	0	12 00	803	7 07	680	123
29	✓	✓		695	697	698	700	702	705	700	692	700	723	751	768	778	778	767	(747)	726	712	704	704	705	703	703	702	719	0	12 46	790	7 43	688	102
30																																		
31																																		
MEANS ALL DAYS a)				697	697	698	699	700	703	702	708	732	762	780	778	772	753	732	715	703	695	694	697	698	697	697	697	717						134 a)
MEANS TEN DAYS ✱				696	697	697	699	700	702	701	709	734	763	780	782	774	762	746	724	708	700	699	702	702	702	701	701	720						113
MEANS FIVE DAYS † (G. M. T.)				698	698	698	700	702	704	702	705	723	748	762	763	763	758	747	733	719	710	698 704	700 704	700	699	698	699	718						
MEANS THREE DAYS b) ‡ (G. M. T.)				695	696	698	704	707	712	711	724	739	759	764	753	736	717	686	692	692	667	661	701	701	698	697	693	708						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = THREE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Twenty-seven days only, omitting incomplete days February 6 and 23

b) Omitting incomplete Greenwich days February 6 and 23

TABLE 120

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1924 — MARCH 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1		✓		704	706	709	709	711	711	704	701	719	756	791	817	825	812	785	752	727	715	706	702	701	700	▽			0	12 25	832	7 09	697	135
2										▽	722	753	793	824	807	811	789	762	732	722	722	711	706	690	689	683	687		0	10 37	839	[23 23	677	162]
3				692	695	695	695	703	699	687	680	694	725	763	791	791	788	749	720	709	692	684	686	682	688	690	692	712	1	13 06	799	7 08	667	132
4	✓			692	693	694	694	696	697	697	709	738	767	777	787	775	773	764	746	729	715	700	693	687	689	686	691	720	0	11 06	791	22 43	681	110
5				693	692	692	697	699	702	710	711	732	755	770	766	741	716	700	702	704	698	689	687	686	688	692	697	709	0	10 32	778	20 42	684	94
6				699	702	708	705	708	705	699	709	744	775	791	790	771	735	686	698	710	705	694	680	675	686	684	689	714	0	9 58	804	20 38	673	131
7			✓	687	682	685	694	699	703	703	708	735	764	796	804	805	770	752	687	682	680	680	687	688	700	695	697	716	0	12 29	836	15 36	669	167
8			✓	686	693	693	700	703	704	706	719	754	780	811	814	793	760	736	701	677	685	690	682	691	689	687	688	718	1	11 18	820	16 33	674	146
9				692	694	688	692	692	696	699	705	733	759	794	805	792	763	748	720	716	700	683	679	676	684	679	685	716	0	11 38	817	20 23	672	145
10				693	694	698	700	702	700	692	683	706	744	777	799	799	778	762	730	719	711	707	704	703	697	695	695	720	0	11 48	804	8 00	676	128
11	✓			690	696	696	697	698	697	692	702	734	769	792	802	801	789	761	730	710	696	693	690	686	687	704	693	721	0	11 16	809	21 25	684	125
12				691	689	696	700	700	703	693	693	716	741	766	776	780	773	757	738	722	707	700	698	698	700	699	698	718	0	11 26	786	7 03	684	102
13	✓			700	700	702	702	702	702	696	698	722	753	777	797	805	794	771	752	730	708	699	702	700	698	699	700	725	0	12 39	807	7 38	693	114
14	✓	✓		701	702	703	704	706	707	700	692	711	748	782	801	808	799	780	760	735	716	707	706	705	704	703	704	728	0	12 29	812	7 24	689	123
15	✓	✓		704	704	704	705	706	706	704	709	735	766	794	804	802	794	780	763	743	722	716	721	723	718	713	704	735	0	12 45	811	6 43	699	112
16				715	714	710	704	709	713	711	718	747	777	804	794	762	740	723	720	711	708	705	(700)	694	695	694	695	723	0	10 15	829	[20 00	691	138]
17	✓	✓		696	693	693	696	701	702	705	719	742	767	789	779	777	760	738	727	725	714	709	(706)	703	702	700	700	723	0	10 33	793	1 27	693	100
18	✓			698	698	702	704	707	707	706	723	754	787	808	789	791	751	738	741	735	721	711	710	711	712	713	697	730	0	10 55	819	23 48	688	131
19				693	699	704	707	707	704	710	735	765	806	825	806	775	755	729	720	697	702	704	706	705	694	690	691	726	1	10 34	835	22 55	680	155
20			✓	689	692	695	697	702	702	711	726	769	809	822	813	790	764	753	738	722	689	683	691	691	697	700	698	727	1	11 09	842	18 03	667	175
21				713	695	691	700	701	699	697	710	739	776	793	789	766	750	735	719	706	704	702	704	697	709	702	697	721	1	10 53	827	20 20	690	137
22				695	697	699	703	705	707	710	729	767	796	824	808	781	760	737	718	697	702	703	704	705	700	696	701	727	0	10 59	841	16 22	689	152
23				702	701	693	699	705	705	706	720	749	793	827	814	799	778	738	719	707	701	703	700	698	696	698	698	727	0	11 04	843	22 25	690	153
24				698	697	698	701	701	699	690	696	728	769	797	803	786	754	732	710	703	705	705	701	699	701	700	702	720	0	11 00	812	6 54	680	132
25				701	700	702	704	703	699	697	720	759	811	837	840	823	799	770	740	713	701	699	701	701	701	701	699	734	0	10 22	851	6 05	694	157
26	✓			698	701	702	702	703	701	680	664	692	743	776	793	794	787	768	748	722	705	704	703	697	709	702	699	721	0	12 20	797	7 25	659	138
27	✓			700	701	702	703	704	704	700	708	737	772	801	810	811	791	774	745	720	707	707	704	703	701	698	698	729	0	11 35	827	23 30	695	132
28	✓	✓		701	703	703	703	708	710	709	713	732	755	780	788	787	774	755	737	719	706	705	702	702	702	707	709	725	0	11 27	791	0 16	698	93
29				710	707	705	714	712	708	699	693	731	784	820	838	807	789	766	747	730	719	714	708	712	712	712	706	735	1	11 30	861	7 24	686	175
30			✓	703	702	693	686	684	693	691	685	735	784	767	803	768	738	704	712	685	666	669	659	642	648	648	668	701	1	11 46	830	20 58	635	195
31			✓	675	677	678	682	686	690	690	707	734	756	783	802	785	754	731	712	702	699	693	691	691	693	692	692	713	0	11 17	810	0 08	672	138
MEANS ALL DAYS a)				697	697	697	700	702	702	700	706	736	770	795	800	788	768	746	728	713	703	699	697	695	697	696	696	722						a) 136
MEANS TEN DAYS ✲				698	699	700	701	703	703	699	704	730	763	788	795	795	781	763	745	727	711	705	704	702	702	702	700	726						118
MEANS FIVE DAYS † (G. M. T.)				701	702	702	703	706	707	704	707	728	758	787	798	800	788	768	748	730	715	704 709	703 707	701	700	699	700	728						
MEANS FIVE DAYS ‡ (G. M. T.)				688	689	689	692	695	698	700	709	745	781	796	807	788	757	735	710	694	684	683	688	684	688	686	690	716						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days March 1 and 2

TABLE 121

HORIZONTAL INTENSITY

APRIL 1924 — APRIL 1924

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				692	691	692	695	699	703	710	731	761	790	802	802	785	760	744	724	709	701	700	703	703	703	702	701	725	0	10	32 813	0	35 691	122
2	✓			703	701	702	704	706	707	708	722	749	771	782	779	761	747	736	728	722	715	711	710	708	707	707	709	725	0	11	18 788	1	24 700	88
3				710	708	708	703	709	714	716	731	764	794	814	810	770	730	699	682	697	703	705	702	694	688	683	687	722	0	10	41 822	15	23 676	146
4		✓		690	700	703	701	702	704	712	734	772	808	836	834	800	758	724	706	703	706	707	705	703	702	701	701	730	0	11	06 840	0	15 688	152
5	✓	✓		701	700	701	701	701	702	699	714	748	790	818	821	797	753	714	702	707	706	706	705	704	702	702	703	725	0	11	03 828	6	18 697	131
6			✓	703	704	705	725	727	725	718	739	776	801	864	845	806	776	741	721	714	708	705	705	705	707	708	707	739	1	10	36 876	0	05 701	175
7			✓	708	708	709	711	722	730	724	724	734	763	785	810	805	784	748	707	684	664	667	667	673	674	672	675	719	1	11	59 819	17	32 661	158
8	✓			681	686	696	699	701	702	700	702	724	756	782	797	799	780	756	729	711	704	705	703	701	701	701	700	722	0	12	06 801	0	12 677	124
9				703	704	703	705	707	711	709	712	741	780	811	824	815	785	762	733	700	697	699	700	700	697	697	699	729	0	11	23 828	23	24 693	135
10	✓			701	702	705	703	704	703	694	689	713	748	779	801	809	796	779	750	723	708	704	704	702	701	701	703	726	0	12	24 811	7	11 684	127
11	✓	✓		702	702	704	707	707	706	696	693	719	754	786	804	811	796	772	743	719	709	708	706	703	700	699	701	727	0	11	54 813	7	15 687	126
12				704	706	707	708	709	709	704	703	723	755	782	793	795	781	757	737	717	703	703	706	704	703	705	708	726	0	12	33 798	7	26 699	99
13	✓	✓		709	709	711	711	711	710	697	688	708	745	781	805	814	803	777	751	729	714	711	709	707	707	705	703	730	0	12	12 817	7	44 683	134
14	✓			703	707	705	709	713	715	713	711	727	759	795	812	817	804	775	748	732	724	716	711	704	689	675	671	731	0	12	29 819	23	33 657	162
15				686	693	697	698	700	705	705	696	708	745	780	807	807	786	754	737	727	713	701	(696)	704	698	698	699	722	0	11	37 823	0	01 676	147
16	✓			700	704	703	705	707	707	708	712	735	759	782	798	790	776	748	730	722	713	710	(709)	710	710	710	709	727	0	11	53 809	0	20 699	110
17			✓	706	704	707	706	707	709	715	723	743	765	800	814	797	763	725	711	711	717	712	709	707	707	703	703	728	0	11	46 821	1	21 699	122
18				706	707	709	707	707	710	723	738	767	792	819	821	807	776	749	719	715	708	708	702	704	711	707	705	734	0	10	38 832	19	38 696	136
19				705	704	711	717	716	720	725	734	757	793	814	822	793	752	711	703	709	710	707	704	700	696	708	702	730	0	11	13 832	21	36 694	138
20				701	702	704	706	707	708	711	716	751	798	840	854	824	785	743	712	703	703	703	701	702	707	705	703	733	0	11	39 862	19	14 699	163
21				704	704	708	713	711	713	716	729	763	797	855	861	836	797	754	729	724	719	719	716	708	705	702	702	741	1	10	36 912	22	58 700	212
22				703	704	705	705	705	705	705	719	762	823	870	870	866	830	779	737	714	706	706	706	706	700	700	703	743	0	10	23 878	22	14 697	181
23				704	701	701	702	704	701	694	701	743	798	851	874	858	817	768	726	709	702	701	697	697	699	699	699	735	0	11	12 880	6	53 689	191
24	✓			699	702	705	704	705	702	698	704	745	791	822	831	815	781	749	729	718	717	717	715	702	699	708	686	731	0	11	38 837	23	38 678	159
25			✓	689	696	725	715	697	699	690	686	705	735	758	745	754	753	742	731	723	714	710	705	706	706	703	701	716	1	13	02 766	7	12 679	87
26			✓	698	699	690	690	680	678	661	654	658	688	710	712	740	745	740	720	695	675	674	677	678	680	682	687	692	1	12	48 752	7	21 643	109
27				691	683	685	697	694	690	685	685	708	731	753	767	764	758	742	725	706	691	686	685	679	673	673	680	705	0	11	44 778	21	33 671	107
28				689	689	692	694	697	699	699	695	699	720	742	752	755	742	728	722	712	697	696	692	690	680	677	686	706	0	11	39 760	22	12 673	87
29				690	701	701	697	701	703	709	723	745	771	792	797	788	759	730	717	700	686	685	687	691	693	694	695	719	0	11	34 803	17	57 682	121
30	✓	✓		695	696	700	699	700	703	703	705	722	745	759	762	749	732	714	710	707	701	704	699	701	701	699	702	713	0	11	06 769	0	39 695	74
31																																		
MEANS ALL DAYS				699	701	703	705	705	706	705	710	736	769	799	807	798	774	745	724	712	704	703	701	700	698	698	698	725						134
MEANS TEN DAYS ✲				699	701	703	704	706	706	702	704	729	762	789	801	796	777	752	732	719	711	709	707	704	702	701	699	734						124
MEANS FIVE DAYS (G. M. T.) †				699	701	704	704	704	705	701	707	734	768	796	805	794	768	740	722	713	707	701 707	701 705	699	697	697	699	724						
MEANS FIVE DAYS (G. M. T.) ‡				701	702	707	709	707	708	702	705	723	750	783	785	780	764	739	718	705	696	694	708	705	705	706	701	721						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 122

HORIZONTAL INTENSITY

MAY 1924 — MAY 1924

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				706	705	706	706	707	709	718	732	748	762	778	782	777	761	740	726	713	707	705	704	704	702	702	703	725	0	11 20	786	22 39	700	86
2	✓			702	703	702	702	705	710	716	730	749	782	809	815	800	778	754	729	713	704	707	705	705	707	706	706	731	0	11 09	819	2 15	700	119
3				708	709	706	711	711	713	713	727	752	786	820	832	810	779	744	720	711	707	705	704	704	704	705	705	733	0	11 04	840	20 01	704	136
4				704	703	705	707	707	707	705	716	740	775	809	820	805	782	747	719	702	699	704	704	703	702	706	705	728	0	11 46	826	17 27	697	129
5				708	707	706	709	708	708	710	728	757	788	798	802	785	758	735	718	708	704	702	703	701	701	702	703	727	0	11 00	810	21 00	700	110
6	✓	✓		704	704	705	706	707	710	718	731	752	778	794	791	776	745	717	709	711	711	712	710	708	707	704	704	726	0	10 48	801	23 24	703	98
7	✓	✓		707	708	708	709	711	715	728	738	755	775	782	782	779	762	732	719	715	711	709	709	707	705	703	701	728	0	11 31	787	23 28	700	87
8				701	701	703	707	708	714	727	745	768	795	820	833	818	794	768	730	717	716	716	716	711	713	707	708	739	0	11 03	836	0 41	700	136
9				708	710	713	712	710	717	712	704	709	750	761	796	805	801	773	740	716	708	707	704	703	703	703	701	728	0	13 10	809	8 24	699	110
10	✓			698	701	706	706	708	709	713	718	729	749	769	784	786	781	763	743	723	711	704	699	696	695	695	695	724	0	12 09	788	20 31	693	95
11	✓			696	696	699	701	702	709	711	717	728	757	789	803	796	788	753	735	717	711	711	711	709	709	713	711	728	0	12 09	810	0 30	693	117
12				711	712	712	716	719	724	725	727	736	752	752	771	771	775	749	725	713	701	686	666	671	677	685	689	719	1	12 48	790	19 29	662	128
13				694	696	701	704	707	709	720	731	744	754	766	773	779	767	746	729	713	708	706	705	704	704	703	703	724	0	12 15	782	0 01	691	91
14	✓	✓		704	705	707	707	709	711	713	715	729	754	773	780	780	767	749	730	720	715	710	(704)	703	703	701	703	725	0	12 09	782	[20 00	698	84
15	✓			704	705	708	709	708	710	727	732	746	768	793	802	807	803	772	739	722	707	704	(702)	706	705	704	704	733	0	12 52	813	[19 50	700	113
16				705	709	712	716	717	723	728	739	777	793	805	807	811	777	749	735	721	698	692	698	698	703	704	705	734	0	12 07	840	18 30	691	149
17	✓			705	703	702	705	709	713	728	746	764	785	801	795	772	759	752	737	718	707	704	703	704	703	701	703	730	0	10 42	804	2 08	701	103
18	✓	✓		706	706	706	706	707	713	727	743	760	774	779	777	765	770	764	747	726	711	709	707	707	706	706	707	730	0	10 28	783	0 20	704	79
19				709	710	711	712	713	717	732	752	775	788	788	767	727	724	737	744	734	713	709	702	695	690	698	709	727	0	10 11	793	21 44	689	104
20	✓			704	706	708	707	705	709	721	736	748	768	789	795	783	769	746	725	708	702	704	704	704	704	704	705	727	0	11 25	798	17 31	702	96
21			✓	707	725	722	710	701	697	658	674	722	764	790	804	816	782	750	726	706	703	695	682	687	656	650	650	716	2	11 27	835	6 52	628	207
22			✓	640	662	650	660	650	655	629	616	627	663	712	681	677	659	628	608	584	571	569	626	614	613	651	645	637	2	10 51	786	18 30	560	226
23			✓	645	660	683	665	667	660	671	684	691	712	734	729	739	705	676	650	652	646	664	648	648	656	654	658	675	1	11 51	761	17 20	639	122
24			✓	662	664	667	669	670	671	683	692	702	727	744	750	744	725	699	687	674	670	673	674	672	669	662	666	688	1	11 30	752	0 12	657	95
25				666	668	677	679	677	680	685	694	705	724	748	759	752	731	699	688	671	662	664	665	673	677	674	672	691	0	11 21	763	18 12	659	104
26				678	683	681	675	679	681	685	693	708	735	750	759	757	746	728	715	696	674	676	680	680	684	688	685	701	0	12 13	765	17 54	667	98
27				685	690	692	692	692	691	700	712	735	755	781	779	771	749	727	709	695	683	672	663	658	656	651	658	704	0	11 18	792	22 14	646	146
28			✓	658	667	674	679	681	680	679	683	686	696	708	713	687	685	667	666	663	655	649	646	648	654	658	665	673	1	11 32	726	19 38	645	81
29				672	676	679	683	687	690	700	721	740	760	776	774	775	758	730	714	695	686	686	686	687	687	685	681	710	0	10 40	791	0 01	669	122
30				682	680	684	686	690	697	708	730	755	767	775	759	733	716	690	673	674	683	684	685	691	692	694	694	705	0	10 11	783	15 34	670	113
31		✓		693	694	695	696	697	700	707	720	733	746	758	766	766	755	742	726	712	702	702	704	704	704	704	702	718	0	12 32	773	0 01	691	82
MEANS ALL DAYS				693	696	698	698	699	702	706	717	735	757	776	780	773	756	733	715	701	693	692	691	690	690	691	692	716						115
MEANS TEN DAYS ✱				703	704	705	706	707	711	720	731	746	769	788	792	784	772	750	731	717	709	707	705	705	704	704	704	728						99
MEANS FIVE DAYS † (G. M. T.)				703	703	704	705	706	710	719	729	746	765	777	779	773	760	741	726	717	710	702 708	701 707	702	701	701	701	725						
MEANS FIVE DAYS ‡ (G. M. T.)				662	676	679	677	674	673	664	670	686	712	738	735	733	711	684	667	656	649	650	665	662	657	662	663	679						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 123

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			702	702	702	702	705	708	718	730	744	756	773	780	771	758	747	720	703	696	694	693	697	697	694	692	720	0	11 48	784	19 02	692	92
2				696	707	703	706	710	711	720	733	741	772	797	813	806	785	759	727	705	698	699	698	698	699	699	700	728	0	11 46	816	0 04	691	125
3	✓	✓		701	702	703	705	705	705	712	718	733	753	772	786	788	777	756	734	714	702	702	702	702	703	705	705	724	0	11 58	797	17 36	700	97
4				707	708	709	711	713	713	717	722	733	745	761	775	775	767	749	725	705	697	699	698	698	698	698	697	722	0	12 12	783	23 32	696	87
5	✓			700	702	704	706	708	708	714	730	757	777	818	827	829	800	762	732	709	697	697	700	702	703	702	701	733	0	12 03	847	17 54	695	152
6	✓	✓		703	704	705	706	709	712	716	718	726	746	771	784	782	771	751	733	718	710	708	707	705	704	706	707	725	0	11 37	785	0 07	702	83
7	✓	✓		707	707	707	706	708	712	723	730	740	757	777	787	780	762	746	729	714	708	710	711	710	708	709	708	727	0	11 40	789	3 17	706	83
8	✓	✓		708	709	710	713	714	716	730	749	762	773	783	796	802	790	770	751	726	710	710	711	711	712	712	710	737	0	12 38	805	17 54	708	97
9				709	709	710	711	713	717	723	730	727	752	757	735	760	765	770	755	732	728	718	706	694	701	702	704	726	1	12 50	796	20 00	691	105
10			✓	705	696	683	690	674	710	702	682	669	669	638	650	600	579	627	611	587	574	576	579	610	604	610	621	639	2	9 30	735	12 40	526	209
11			✓	632	631	635	638	643	651	657	659	668	684	705	742	742	724	736	732	732	734	651	661	671	667	667	665	680	2	11 35	784	18 00	621	163
12				667	675	675	677	679	679	694	698	702	706	724	725	721	710	697	690	687	678	676	673	681	671	676	678	689	0	12 10	734	0 10	665	69
13	✓			679	675	679	681	682	685	687	694	710	735	758	783	783	768	736	710	691	682	681	679	679	679	679	[680]	704	0	11 39	789	1 19	674	115
14		✓		[681]	▽					▽	681	681	694	725	746	749	743	728	710	698	691	689	(685)	684	682	682	680		0	12 02	753	[20 00	679	74
15				684	687	691	692	694	699	707	707	710	718	731	734	748	744	728	715	703	696	684	(679)	675	674	672	677	702	0	13 04	765	[19 49	672	93
16				691	689	686	690	697	702	709	716	719	739	771	770	772	756	747	730	712	696	696	694	692	692	689	693	714	0	10 51	786	1 44	684	102
17				698	700	697	698	699	700	711	724	733	747	764	770	766	752	729	710	696	689	691	691	689	694	695	695	714	0	11 19	778	17 30	687	91
18			✓	696	695	705	704	707	704	712	716	716	738	761	812	799	760	729	701	678	669	681	678	680	685	683	682	712	1	11 54	838	17 33	664	174
19			✓	682	689	697	701	696	696	687	678	698	671	680	702	694	684	669	641	619	624	613	603	639	639	678	672	669	1	9 27	722	19 00	593	129
20			✓	665	671	677	673	671	671	688	707	721	716	744	748	752	742	721	701	688	682	675	670	670	673	675	678	695	0	12 13	757	0 29	662	95
21				678	680	682	685	686	688	701	722	743	751	767	760	760	742	729	715	691	669	677	680	680	678	678	677	705	0	10 29	774	17 08	661	113
22				677	681	692	687	690	688	695	707	725	734	749	754	755	746	727	706	693	687	687	682	697	676	688	687	705	0	12 07	762	21 42	666	96
23				680	687	695	695	689	692	701	716	723	722	726	724	714	720	722	705	695	680	680	685	690	686	688	687	700	0	10 54	748	0 21	680	68
24				689	687	693	691	689	691	703	719	730	742	753	762	759	757	729	710	694	687	688	689	684	686	688	691	709	0	11 39	765	20 04	682	83
25	✓			692	692	694	696	698	701	712	721	734	743	748	749	740	734	724	716	704	696	692	691	695	698	692	696	711	0	11 12	758	18 42	688	70
26	✓			697	698	703	706	710	713	729	743	764	766	771	762	758	744	733	716	706	704	703	701	700	698	696	694	721	0	11 04	782	23 38	694	88
27				695	695	700	702	702	708	717	728	735	747	746	759	749	726	717	710	707	694	687	686	688	699	700	699	712	0	11 49	770	19 52	684	86
28	✓			698	697	696	700	700	699	712	724	737	757	752	755	750	734	717	701	697	696	697	(693	688	694)	689	689	711	0	9 39	761	[20 —	687	74
29				696	697	700	700	702	701	710	730	754	771	782	776	754	733	713	704	703	705	701	699	690	696	690	696	717	0	10 08	787	22 08	684	103
30				699	703	706	705	698	701	697	701	717	734	760	767	766	759	738	718	709	695	673	666	680	686	690	692	711	0	11 22	770	19 09	661	109
31																																		
MEANS ALL DAYS a)				691	692	694	696	696	699	707	716	727	739	753	762	758	744	730	712	697	689	684	683	686	686	688	689	709						105 a)
MEANS TEN DAYS ✻				699	699	700	702	704	706	715	726	741	756	772	781	778	764	744	724	708	700	699	699	699	700	698	698	721						95
MEANS FOUR DAYS † (G. M. T.) b)				705	706	706	708	709	711	720	729	740	757	776	788	788	775	756	737	718	708	704 708	704 708	704	704	704	704	728						
MEANS FIVE DAYS ‡ (G. M. T.)				676	676	679	681	678	686	689	688	694	696	706	731	717	698	696	677	661	657	639	651	662	665	674	675	681						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day June 14

b) Omitting incomplete Greenwich day June 14

TABLE 124

HORIZONTAL INTENSITY

JULY 1924

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1924

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			692	694	695	697	699	702	711	728	741	746	755	755	750	738	720	704	698	697	697	695	693	693	694	693	712	0	10 58	765	0 05	691	74
2	✓			694	694	694	693	697	702	711	728	747	773	789	783	777	753	727	702	692	690	688	687	688	691	693	693	716	0	10 24	795	20 06	685	110
3	✓	✓		693	693	694	696	697	698	706	717	725	740	748	752	755	735	716	708	700	698	698	696	695	695	696	696	710	0	11 58	760	1 57	692	68
4	✓	✓		696	691	695	699	699	703	713	739	768	792	806	806	786	764	741	725	712	706	704	704	705	705	706	705	728	0	11 00	809	1 24	691	118
5	✓			706	707	708	707	707	707	710	724	749	772	795	806	796	777	755	736	720	710	705	700	700	704	706	705	730	0	11 27	807	19 41	698	109
6	✓			705	704	708	708	709	706	713	730	748	768	779	791	799	802	783	741	709	706	709	703	705	706	703	697	730	0	13 06	806	23 43	683	123
7				691	695	703	705	704	704	708	714	732	757	779	792	791	787	753	715	689	682	683	686	687	685	686	686	717	0	11 24	806	17 41	682	124
8				684	683	697	696	696	697	703	719	742	761	770	768	752	736	723	714	702	697	694	691	690	693	694	696	712	0	11 11	772	1 17	680	92
9			✓	709	713	710	713	722	715	729	720	732	767	793	781	768	760	747	707	689	694	681	682	686	685	686	688	720	1	11 34	814	18 41	677	137
10				679	687	688	695	693	689	695	690	713	722	747	753	755	744	731	710	695	687	688	683	685	686	690	690	704	1	11 00	763	0 31	674	89
11				698	704	698	698	700	700	708	728	752	777	793	797	790	771	743	724	709	698	692	688	685	686	687	687	721	0	11 20	806	20 27	682	124
12				691	695	697	696	693	695	704	716	732	759	780	796	791	774	751	725	707	705	704	704	704	704	707	705	722	0	11 19	801	0 01	688	113
13				707	704	700	706	708	706	717	733	753	771	790	786	765	742	726	718	710	700	697	697	697	699	699	698	722	0	10 26	794	18 08	695	99
14	✓			698	698	700	701	701	700	699	707	727	751	771	780	782	773	752	727	709	708	709	714	710	704	706	709	722	0	12 14	785	1 08	697	88
15				713	715	712	711	711	712	716	736	758	774	773	778	758	748	722	691	683	668	662	(660)	661	672	674	668	712	0	11 07	793	[20 15	654	139]
16				672	686	689	690	697	697	710	725	741	755	765	769	765	736	706	691	689	688	692	(692)	695	695	691	684	709	0	11 15	774	0 09	669	105
17				683	690	697	692	691	692	700	716	733	741	745	744	745	739	722	715	696	681	675	658	663	665	672	679	701	0	12 40	749	19 17	654	95
18				688	691	695	698	702	703	711	723	726	741	749	755	744	730	722	705	698	686	688	693	690	693	695	694	709	0	11 57	765	17 49	684	81
19				693	696	698	696	696	696	700	709	715	711	727	731	726	726	724	724	713	704	699	696	694	692	691	696	706	0	11 35	738	22 14	688	50
20			✓	700	702	705	707	705	705	702	710	729	756	779	815	812	782	743	714	699	690	698	699	696	694	694	697	722	1	11 44	851	16 59	688	163
21				697	688	703	697	697	693	677	677	695	739	747	753	746	727	725	718	703	690	682	691	687	687	690	691	704	0	11 05	762	7 22	666	96
22	✓			688	687	691	693	694	695	699	710	724	741	759	761	759	752	734	725	708	699	695	694	694	693	694	695	712	0	11 24	767	1 45	686	81
23	✓	✓		696	697	698	699	703	704	711	718	723	735	749	765	770	763	750	730	715	704	701	701	701	701	701	702	718	0	12 36	771	0 01	695	76
24				700	702	702	703	705	707	716	724	726	726	739	760	770	775	761	738	717	707	708	710	707	702	703	711	722	0	13 32	780	0 48	698	82
25			✓	714	717	717	723	727	720	732	741	754	747	743	751	756	754	737	723	712	695	695	692	691	691	690	688	721	0	8 34	770	23 25	687	83
26			✓	690	696	690	696	715	709	699	690	692	705	717	745	736	735	727	718	711	700	683	687	677	684	667	672	702	1	11 47	755	22 48	659	96
27			✓	665	677	677	678	687	700	723	736	758	746	752	756	754	727	714	690	677	657	653	658	670	687	683	685	700	1	8 42	778	18 22	643	135
28				682	688	685	689	683	688	699	706	715	725	743	755	754	741	729	719	707	696	693	693	694	692	693	694	707	0	12 13	762	0 11	676	86
29				694	696	696	699	702	703	715	725	729	734	744	754	754	756	743	728	715	702	697	696	696	696	695	695	715	0	11 43	762	0 22	693	69
30		✓		695	694	694	695	696	701	711	727	741	766	776	784	774	760	747	733	718	703	699	698	698	699	699	700	721	0	11 19	793	2 12	692	101
31	✓	✓		702	704	705	705	705	709	722	741	761	777	786	793	784	769	741	727	719	706	700	699	700	698	700	701	727	0	10 57	795	21 08	696	99
MEANS ALL DAYS				694	696	698	699	701	702	709	720	735	751	764	771	767	754	736	718	704	695	693	692	692	693	693	694	715						100
MEANS TEN DAYS ✲				697	697	699	700	701	703	710	724	741	760	774	779	776	763	742	722	708	702	701	699	699	699	700	700	721						95
MEANS FIVE DAYS † (G. M. T.)				696	696	697	699	700	703	713	728	744	762	773	780	774	758	739	725	713	703	695 700	694 700	694	695	695	696	720						
MEANS FIVE DAYS ‡ (G. M. T.)				696	701	700	703	711	710	717	719	733	744	757	770	765	752	734	710	698	687	682	695	692	692	689	693	715						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 125

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1924 — AUGUST 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1				701	703	706	715	711	706	717	731	744	747	753	759	749	743	722	711	702	695	690	691	693	695	695	695	716	0	11	16	763	18	44	689	74
2				697	698	700	703	704	708	724	735	753	777	802	822	832	805	774	741	720	706	705	706	707	706	702	701	734	0	12	12	840	0	17	696	144
3				701	704	707	707	710	714	715	722	729	747	774	799	802	787	759	728	713	703	702	703	703	697	696	694	726	0	11	07	813	23	03	691	122
4				698	701	703	705	711	715	718	739	741	767	791	810	811	806	779	747	727	712	700	686	680	679	692	692	730	0	11	32	823	21	00	674	149
5			✓	692	695	707	704	704	713	724	738	768	770	809	812	804	787	743	723	712	717	704	696	679	687	678	674	727	0	11	17	820	23	49	668	152
6				679	688	684	694	695	693	687	686	699	713	736	741	753	743	730	716	707	699	694	692	690	690	688	688	704	0	12	15	759	0	01	670	89
7				692	692	692	695	697	694	691	691	701	736	760	767	775	757	745	730	714	696	686	685	688	692	705	694	711	0	12	11	783	19	01	682	101
8				694	691	692	695	697	698	688	679	681	699	724	749	745	746	734	723	712	701	696	693	693	693	693	694	705	0	11	34	758	8	08	673	85
9	✓			693	696	702	701	700	700	702	706	724	748	777	792	801	788	762	737	715	696	693	694	697	697	697	696	721	0	12	37	803	18	18	691	112
10	✓			696	695	695	698	699	701	704	708	717	731	753	771	772	764	740	723	709	700	695	693	692	694	696	697	714	0	11	48	776	20	40	691	85
11	✓	✓		693	694	692	694	697	699	714	732	752	777	790	794	794	781	751	723	706	702	698	696	696	696	697	695	723	0	11	56	797	0	45	690	107
12	✓	✓		696	694	696	698	698	702	708	715	715	719	745	771	784	777	749	722	712	710	702	698	700	703	701	702	717	0	12	48	790	1	36	694	96
13	✓			701	702	704	708	710	714	729	740	741	732	736	754	763	766	743	718	708	704	703	702	703	704	705	706	721	0	13	12	773	0	30	700	73
14	✓			706	704	704	704	706	709	722	743	763	789	813	832	838	820	784	747	717	704	703	703	703	706	709	710	739	0	12	10	844	18	36	703	141
15				706	707	707	710	712	709	708	710	718	728	746	768	774	777	754	733	(709)	707	705	704	702	701	705	706	721	0	12	55	781	21	15	700	81
16				710	709	708	705	712	716	722	729	732	745	759	769	785	780	754	(721)	719	708	706	710	709	705	709	705	726	0	12	54	799	24	00	700	99
17			✓	694	702	706	707	708	710	726	736	750	785	798	832	821	786	724	688	684	684	669	662	667	692	□			0	11	42	854	19	10	659	195
18			✓							□	698	717	739	763	779	799	791	756	730	705	692	687	686	687	696	688	689		0	12	49	805				
19	✓			694	696	695	692	692	693	693	695	713	744	780	807	820	802	763	727	702	691	691	691	689	691	692	691	718	0	12	42	829	20	40	688	141
20		✓		693	692	692	694	696	697	708	729	763	797	821	828	811	782	742	717	702	694	694	[692]	△						11	11	831	[0	02	691	140]
21		✓																				△	695	699	701	701	701		0							
22	✓			701	699	703	703	708	712	721	734	750	771	785	793	787	775	751	730	714	705	703	701	700	698	697	698	727	0	11	39	797	1	40	696	101
23				699	703	706	706	709	713	725	742	751	759	757	750	740	727	717	(702)	699	697	693	694	701	704	700	699	716	0	10	12	762	[15	53	693	69]
24				702	702	701	702	703	702	697	702	727	758	781	798	791	767	743	723	710	705	703	704	704	703	705	704	722	0	11	55	805	6	18	695	110
25	✓	✓		703	703	703	705	707	711	712	722	743	766	784	793	795	781	745	717	703	703	705	707	706	704	703	702	726	0	12	23	800	16	45	701	99
26				703	705	704	703	706	709	716	732	751	771	773	769	771	759	745	730	719	707	704	703	702	704	703	703	725	0	9	45	779	20	16	702	77
27				704	705	705	706	708	710	716	731	754	780	800	816	819	809	786	748	709	691	693	698	699	700	702	702	733	0	12	07	823	17	45	689	134
28	✓			704	704	705	704	706	713	723	737	751	755	758	766	770	773	761	742	723	711	705	698	687	688	696	700	724	0	13	26	779	20	18	685	94
29			✓	701	701	699	703	706	707	708	717	728	750	764	775	778	761	740	715	694	675	654	648	659	662	659	670	707	0	11	36	783	19	16	642	141
30			✓	672	685	690	696	708	713	726	735	755	766	786	797	800	794	767	741	715	697	696	693	691	687	683	689	724	1	13	00	816	0	09	660	156
31				688	683	691	694	694	700	707	723	751	778	789	799	794	775	756	739	719	708	705	703	705	704	702	699	725	0	11	54	805	1	45	681	124
MEANS ALL DAYS a)				697	698	700	702	704	706	712	721	735	753	771	784	787	776	752	728	711	702	698	696	695	696	697	697	722								a) 109
MEANS TEN DAYS ✲				699	699	700	701	702	705	713	723	737	753	772	787	792	783	755	729	711	703	700	698	697	698	699	700	723								105
MEANS FOUR DAYS (G. M. T.) b) †				696	696	696	698	700	702	710	724	743	765	785	796	796	780	747	720	706	702	697 700	696 698	695	696	698	697	723								
MEANS FOUR DAYS (G. M. T.) c) ‡				690	696	700	702	706	711	721	732	750	768	789	804	801	782	744	717	701	693	681	686	684	684	689	692	722								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-seven days only, omitting incomplete days August 17, 18, 20 and 21
b) Omitting incomplete Greenwich day August 21
c) Omitting incomplete Greenwich day August 18

TABLE 126

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1924

SEPTEMBER 1924

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	692	711	696	680	690	699	703	723	757	792	815	804	782	729	695	678	675	682	684	682	678	681	689	688	713	0	10 30	823	16 12	669	154
2	✓	✓		686	688	687	691	693	697	706	719	751	779	806	819	820	806	774	741	712	704	704	704	703	699	695	703	729	0	11 53	823	0 45	683	140
3				688	686	686	681	690	697	695	694	711	732	757	765	765	756	740	718	697	687	684	686	684	683	685	685	706	0	11 47	771	3 29	680	91
4				687	700	700	705	709	716	729	737	751	772	795	801	796	779	764	740	721	712	706	699	694	690	684	680	728	1	11 25	821	23 21	678	143
5				685	686	692	697	697	698	698	699	728	763	797	801	795	763	728	705	684	666	654	648	648	647	642	641	703	0	12 39	811	23 19	637	174
6				652	659	664	672	679	682	688	689	705	726	753	772	765	751	732	713	699	688	685	687	688	689	691	692	701	0	11 18	776	0 47	650	126
7			✓	693	697	700	701	710	732	743	725	734	761	784	816	810	730	672	624	610	639	663	666	653	663	668	649	702	1	11 51	851	15 38	597	254
8			✓	655	649	651	661	669	681	678	693	720	747	746	738	722	699	686	681	687	679	664	664	664	668	675	681	686	1	9 47	790	1 39	645	145
9				675	675	680	681	683	686	702	722	736	760	775	777	769	755	743	721	697	680	676	674	671	662	659	680	706	0	11 02	785	22 30	656	129
10	✓			671	671	673	672	676	682	692	703	721	715	742	738	757	764	758	732	699	678	675	675	675	674	671	672	699	0	13 10	768	22 32	670	98
11	✓	✓		672	674	677	683	685	693	715	734	754	772	774	775	764	753	744	735	714	693	684	680	683	685	685	687	713	0	10 05	778	0 01	671	107
12				687	687	691	693	695	699	717	737	758	777	791	805	786	780	747	686	656	652	635	624	643	656	659	666	705	0	11 35	817	19 05	619	198
13				671	678	680	680	688	693	712	748	774	796	816	806	800	789	761	727	693	681	691	691	689	684	685	685	722	0	10 25	826	0 28	668	158
14	✓			684	685	687	691	694	695	696	711	729	753	766	768	769	756	746	735	717	693	685	683	683	687	686	681	712	0	12 13	774	20 12	677	97
15				681	682	686	687	691	698	701	711	731	759	772	783	789	774	751	727	703	690	690	690	690	688	690	691	715	0	12 25	793	0 18	678	115
16	✓	✓		691	694	695	697	697	698	701	720	755	785	802	809	794	773	746	(718)	703	696	693	685	682	682	689	689	721	0	11 45	818	21 00	680	138
17	✓	✓		691	693	695	698	698	696	692	704	742	779	813	836	824	792	756	723	705	700	701	702	698	698	702	701	727	0	11 21	841	0 30	690	151
18				703	704	706	706	711	711	717	725	753	802	847	857	844	816	(777)	741	714	688	681	676	661	661	662	668	730	0	11 12	867	20 48	657	210
19	✓			673	680	691	696	697	699	696	706	730	779	813	817	805	782	761	736	708	695	696	694	694	693	694	693	722	0	10 27	828	0 01	670	158
20	✓	✓		694	695	693	694	696	697	694	701	724	753	778	774	778	762	744	724	702	689	692	691	692	692	694	695	714	0	12 12	786	17 24	686	100
21				695	697	698	699	698	703	703	710	731	756	784	785	782	771	766	757	733	714	710	708	707	705	703	704	726	0	11 48	803	0 01	695	108
22	✓			703	702	702	702	704	703	705	714	739	775	796	805	787	761	749	737	718	695	694	696	697	690	684	681	722	0	11 36	814	23 59	677	137
23				676	677	679	684	684	687	695	723	767	820	855	836	821	797	776	758	710	703	681	684	657	625	630	665	720	0	10 48	864	22 06	594	270
24			✓	662	664	664	665	675	679	696	725	763	796	812	810	791	754	717	698	687	678	672	670	677	678	680	677	708	0	11 17	823	0 38	660	163
25				674	675	676	677	680	680	685	707	748	793	821	813	788	755	716	697	686	677	669	666	671	675	679	680	708	0	10 27	828	19 42	665	163
26				679	679	685	684	686	687	694	718	756	795	820	828	799	765	737	713	697	686	686	694	696	695	696	692	719	0	11 27	836	1 09	676	160
27			✓	695	688	695	693	700	700	696	719	760	779	813	823	816	739	712	(696)	672	672	670	675	680	677	675	674	713	1	12 12	844	[16 24	665	179]
28				679	679	683	685	688	688	692	719	770	793	824	821	793	764	730	700	686	691	692	690	688	688	690	690	718	0	11 03	838	1 22	677	161
29				690	689	690	691	694	703	712	737	784	815	847	860	837	794	759	723	700	689	690	688	689	68.4	685	684	731	0	11 38	866	21 38	683	183
30	✓			684	684	684	688	691	692	698	727	763	797	819	826	803	782	752	721	705	695	695	691	692	691	690	690	723	0	11 11	831	1 00	682	149
31																																		
MEANS ALL DAYS				682	684	686	688	692	696	702	717	745	774	798	802	792	766	741	717	696	686	683	682	681	680	681	682	715						152
MEANS TEN DAYS ✱				685	687	688	691	693	695	700	714	741	769	791	797	790	773	753	730	708	694	692	690	690	689	689	689	718						128
MEANS FIVE DAYS † (G. M. T.)				687	689	689	693	694	696	702	716	745	774	795	803	796	777	753	728	707	696	688 695	685 692	684	684	687	687	719						
MEANS FIVE DAYS ‡ (G. M. T.)				679	682	681	680	689	698	703	717	747	775	794	798	784	730	696	675	666	670	671	687	680	675	677	679	706						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 127

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1924

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			691	693	692	693	694	695	702	733	772	806	823	820	804	772	736	714	703	698	696	694	695	691	691	693	725	0	10 43	831	22 25	688	143
2	✓			692	694	694	695	696	694	683	693	729	766	798	818	820	799	768	737	709	702	701	700	697	695	694	692	724	0	12 27	827	6 33	680	147
3				693	693	693	693	694	692	681	696	735	780	812	826	812	787	758	734	719	711	702	698	702	702	698	696	725	0	11 47	835	6 47	678	157
4				696	699	699	702	701	700	689	703	743	779	814	818	820	806	763	723	705	690	671	664	672	681	683	684	721	1	12 02	837	19 04	660	177
5				684	685	689	688	689	688	673	668	692	738	776	801	803	788	773	743	712	690	685	687	687	687	686	687	712	0	12 12	809	7 32	660	149
6				687	688	692	694	695	689	678	683	717	756	780	792	795	791	780	753	723	703	697	693	689	688	689	689	718	0	12 31	799	7 04	674	125
7				689	684	686	691	689	696	679	703	759	821	821	824	807	790	757	738	722	713	702	697	686	690	691	699	726	1	9 57	855	6 11	670	185
8				696	688	684	687	695	690	691	713	757	793	815	812	799	781	747	719	697	677	669	674	684	693	690	684	718	0	11 05	825	18 47	667	158
9	✓			682	681	683	689	692	692	685	704	742	775	792	792	778	762	739	723	706	695	695	694	695	696	695	695	716	0	11 06	798	1 20	679	119
10	✓			696	697	699	700	701	699	701	722	746	773	789	778	762	752	734	715	704	697	695	695	694	694	694	692	718	0	10 27	804	23 58	691	113
11	✓	✓		691	692	692	694	696	696	705	733	773	804	822	811	779	748	715	701	700	697	696	694	693	693	693	693	721	0	10 21	827	0 45	690	137
12	✓	✓		693	693	695	695	695	693	699	721	762	794	819	827	813	785	754	728	710	702	698	695	695	693	692	690	727	0	11 42	832	23 57	690	142
13	✓			692	693	694	696	696	692	688	712	762	800	832	839	823	784	746	721	706	701	700	699	698	698	699	699	728	0	11 30	841	6 34	684	157
14	✓	✓		699	699	699	700	701	700	705	737	789	841	878	882	858	814	775	739	712	702	702	702	701	701	702	702	743	0	10 45	886	6 06	698	188
15				703	704	705	708	711	717	706	729	779	820	845	853	847	822	768	(733)	726	722	716	710	703	707	716	720	745	1	10 54	864	20 27	703	161
16				720	718	723	708	710	705	696	729	779	817	842	841	827	798	765	(725)	704	704	705	692	679	670	666	672	733	1	10 48	872	22 15	665	207
17				682	683	683	685	688	693	701	728	766	797	814	824	811	791	761	735	700	694	696	695	689	677	680	680	723	1	11 18	840	22 01	673	167
18			✓	682	682	682	682	684	687	686	692	691	660	730	747	754	755	745	722	696	686	689	687	684	682	683	682	699	1	11 46	766	9 16	631	135
19	✓			684	683	681	685	685	685	687	704	737	771	795	800	781	756	732	719	704	695	691	692	694	695	693	693	714	0	11 15	803	1 59	681	122
20				694	695	697	698	700	693	689	713	751	793	817	822	803	777	756	735	715	695	692	686	687	686	688	695	724	0	11 20	831	21 54	683	148
21				688	688	692	694	701	702	696	722	764	794	818	830	791	769	744	723	705	692	692	683	674	680	674	672	720	1	11 03	850	23 04	670	180
22				673	679	682	685	686	692	683	699	730	770	786	799	797	782	757	733	710	707	707	685	670	669	677	690	714	0	11 23	804	21 12	661	143
23			✓	698	683	664	670	678	678	681	702	732	742	733	744	723	719	690	673	660	657	636	613	609	602	598	613	675	2	11 39	767	21 06	588	179
24			✓	614	633	635	649	683	660	662	695	740	764	748	711	676	661	652	669	677	650	650	642	644	643	647	653	669	2	9 34	772	0 17	607	165
25			✓	652	673	659	661	664	664	674	699	727	746	748	737	723	702	691	688	683	678	676	677	678	678	678	675	689	1	10 18	752	0 24	637	115
26			✓	674	676	678	680	680	680	689	720	760	791	796	769	742	719	705	695	691	694	696	696	696	694	694	690	709	0	10 37	800	0 30	673	127
27				688	688	687	688	694	697	718	763	808	838	846	833	784	723	707	(689)	674	678	667	659	663	668	674	678	717	0	10 05	859	19 27	657	202
28				676	679	682	684	688	689	689	722	760	789	800	793	771	741	714	700	698	698	696	691	689	689	687	689	713	0	10 12	809	0 31	675	134
29	✓	✓		688	687	687	687	689	688	688	717	756	795	818	813	789	757	716	692	685	689	694	695	695	696	697	698	717	0	11 09	823	16 24	684	139
30		✓		694	694	695	696	699	700	708	735	772	796	800	796	780	760	739	719	713	703	702	700	695	696	697	700	725	0	10 08	809	3 12	693	116
31				702	697	695	697	699	695	702	734	771	814	846	834	815	780	755	736	712	694	701	672	681	682	683	685	728	0	10 46	868	19 18	637	231
MEANS ALL DAYS				687	688	688	689	693	692	691	714	752	785	805	806	790	767	740	719	703	694	691	686	684	684	685	686	717						154
MEANS TEN DAYS ✱				691	691	692	693	694	693	694	718	757	792	817	818	801	773	742	719	704	698	697	696	696	695	695	695	723						141
MEANS FIVE DAYS † (G. M. T.)				693	693	694	694	696	695	701	729	770	806	827	826	804	773	740	716	704	699	696 698	695 697	694	694	694	694	726						
MEANS FIVE DAYS ‡ (G. M. T.)				664	669	664	668	678	674	678	698	730	741	751	742	724	711	697	689	681	673	669	662	658	654	656	662	687						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 28

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1924 — NOVEMBER 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	688	687	688	691	695	689	686	722	771	820	847	866	849	815	764	719	680	649	649	655	669	678	681	684	723	0	11 21	871	17 28	644	227
2				679	684	686	690	691	687	691	723	769	796	802	797	775	746	718	686	678	681	676	675	666	668	675	680	709	0	11 12	813	20 52	663	150
3	✓			680	680	684	685	690	691	695	722	756	779	771	771	765	744	728	710	697	688	687	686	685	683	679	676	710	0	10 20	792	23 12	674	118
4				679	683	686	688	690	694	702	717	737	740	737	735	720	725	718	712	701	696	693	692	692	693	692	692	705	0	8 36	749	0 01	676	73
5	✓	✓		694	693	694	693	694	697	705	723	746	763	766	766	759	749	734	722	712	702	702	702	702	701	704	710	718	0	9 54	772	2 03	692	80
6				710	709	707	712	709	712	719	726	760	790	798	796	788	767	754	722	690	675	672	669	667	669	668	669	719	0	10 34	802	19 24	666	136
7				667	669	676	679	682	679	678	703	751	784	793	785	765	742	725	716	707	696	694	693	692	693	694	694	711	0	10 36	796	0 28	666	130
8	✓	✓		695	694	694	695	696	697	699	718	750	777	784	776	759	745	733	724	712	699	696	695	695	697	698	701	718	0	10 17	798	2 33	693	105
9				702	700	710	712	708	717	726	723	745	764	771	779	774	759	731	716	702	687	688	690	687	685	686	687	719	1	11 08	787	17 45	684	103
10				687	687	688	689	690	690	699	722	755	784	804	799	779	747	725	702	682	673	672	670	669	674	679	689	711	0	11 00	810	20 11	665	145
11	✓			686	684	686	689	691	690	687	698	729	753	756	738	718	711	702	695	695	692	691	689	689	690	689	687	701	0	10 42	763	1 29	683	80
12				685	683	688	693	697	699	700	724	753	772	768	765	758	735	731	727	722	710	702	692	689	698	693	692	716	0	9 25	781	20 03	681	100
13			✓	689	682	688	687	687	685	687	684	710	741	739	726	728	714	716	704	699	677	656	641	658	672	673	676	692	1	10 04	762	19 19	634	128
14				679	681	683	686	687	685	684	697	730	771	786	789	767	754	734	(713)	693	687	691	689	688	689	687	689	710	0	11 24	804	0 33	678	126
15				688	687	689	692	695	697	688	708	753	791	799	792	770	735	695	(671)	667	672	677	682	685	687	685	685	708	0	11 11	813	[16 07	661	152]
16	✓			685	686	688	690	691	691	696	724	759	792	808	803	795	761	737	712	694	684	688	690	690	693	697	699	719	0	10 35	820	17 44	682	138
17	✓	✓		696	687	684	688	687	686	683	704	740	770	785	767	751	711	(689)	688	694	699	701	697	695	696	699	699	708	0	10 20	798	2 22	681	117
18	✓	✓		699	699	699	702	704	703	699	709	733	764	782	784	779	765	750	734	719	706	701	700	701	701	701	701	722	0	11 25	786	6 33	692	94
19			✓	699	699	697	699	700	733	727	755	794	735	722	707	720	743	740	732	703	679	678	672	671	676	674	673	710	2	9 18	803	10 18	651	152
20				674	676	676	677	679	679	669	687	722	750	781	801	805	781	758	731	706	695	691	691	689	686	685	688	712	0	12 13	816	6 25	665	151
21				691	690	688	687	690	691	696	713	744	782	791	786	771	745	714	716	705	693	686	683	679	679	680	683	712	0	11 45	803	20 40	678	125
22				684	682	684	686	690	693	702	717	738	746	745	727	710	710	713	717	707	697	688	690	692	694	694	694	704	0	10 24	752	1 58	681	71
23	✓			695	694	692	696	699	705	714	738	766	782	784	769	751	720	717	712	711	709	704	700	700	698	699	697	719	0	10 06	791	2 33	690	101
24			✓	697	693	691	689	696	701	722	754	754	758	719	645	578	594	594	604	612	628	633	634	641	646	647	651	666	2	8 20	800	[12 50	537	263]
25	✓			654	656	656	657	658	662	669	689	722	755	769	769	757	732	710	697	686	670	666	676	676	676	676	678	692	0	11 00	776	0 03	652	124
26			✓	676	676	679	683	683	683	690	718	753	778	797	790	761	739	739	729	707	695	700	699	695	689	677	683	713	1	10 48	810	22 06	669	141
27				684	687	687	685	694	705	702	714	723	737	737	737	730	706	701	696	697	701	702	699	699	706	706	707	706	1	8 49	753	0 01	682	71
28				708	705	707	709	716	701	705	733	760	796	806	786	753	712	701	709	718	720	709	708	692	690	696	688	722	1	10 57	905	5 44	680	225
29				683	681	674	669	670	678	690	719	757	774	772	753	726	689	700	655	662	676	685	684	685	685	687	689	698	0	10 08	788	15 02	650	138
30	✓	✓		690	692	691	688	687	687	696	718	755	782	792	779	754	721	695	683	687	691	690	690	690	689	690	689	709	0	10 35	796	5 10	681	115
31																																		
MEANS ALL DAYS				687	687	688	690	692	694	697	717	748	771	777	769	754	734	719	705	695	688	686	684	684	686	686	688	709						129
MEANS TEN DAYS ✲				687	686	687	688	690	691	694	714	746	772	780	772	759	736	720	708	701	694	693	692	692	692	693	694	712						107
MEANS FIVE DAYS † (G. M. T.)				695	693	692	693	694	694	696	714	745	771	782	774	760	738	720	710	705	699	692 698	691 697	691	692	694	695	714						
MEANS FIVE DAYS ‡ (G. M. T.)				690	687	689	690	692	698	702	727	756	766	765	747	727	721	711	698	680	666	663	688	689	691	690	691	705						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 129

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1924 — DECEMBER 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				691	694	692	693	697	704	708	724	750	779	799	803	779	751	720	694	687	687	688	687	686	684	683	685	715	0	11	08	810	21	50	682	128
2				688	690	691	692	693	691	676	675	683	706	732	749	739	725	705	698	690	684	684	685	683	681	683	683	696	0	11	09	757	7	03	665	92
3				683	684	685	689	689	688	685	694	724	760	771	783	776	749	721	711	707	697	692	685	687	694	690	685	710	0	11	45	792	0	24	682	110
4	✓			688	690	694	698	700	701	703	712	738	774	791	790	775	747	724	715	706	703	703	699	699	701	702	702	719	0	10	45	801	0	04	681	120
5	✓	✓		701	693	699	699	700	704	710	718	739	767	779	778	762	736	723	706	696	691	692	693	694	695	695	693	715	0	11	06	786	1	36	689	97
6	✓	✓		691	693	695	697	706	715	731	750	774	800	804	797	779	754	725	707	707	707	704	704	704	704	705	703	727	0	10	00	809	0	52	691	118
7				703	702	701	702	703	711	723	739	770	782	791	791	779	724	688	683	690	698	696	695	686	683	688	689	717	0	11	06	807	14	55	677	130
8				690	695	697	696	698	708	717	721	740	746	745	722	711	683	690	693	693	686	685	684	686	687	689	687	702	0	9	46	760	13	31	670	90
9				689	689	689	696	705	709	715	725	751	772	776	770	754	740	720	709	702	700	698	698	702	701	703	700	717	0	10	33	786	0	01	687	99
10				699	698	695	693	696	702	705	714	737	756	765	752	731	715	696	687	695	697	697	698	694	692	693	694	708	0	10	52	769	15	34	682	87
11				696	696	695	694	694	696	700	717	742	772	790	787	769	744	722	702	699	703	703	681	664	670	660	654	710	0	10	47	796	23	41	649	147
12			✓	667	672	678	680	674	683	689	708	729	770	801	807	780	757	740	721	700	709	694	690	684	682	697	698	713	1	11	15	849	0	21	657	192
13			✓	691	686	686	686	683	687	696	719	759	793	810	809	788	741	716	692	685	684	680	679	686	686	687	691	713	0	11	06	821	19	18	676	145
14	✓			692	693	693	692	693	692	688	701	737	777	803	812	798	776	739	712	685	683	688	692	690	690	688	689	717	0	11	12	820	17	21	681	139
15				690	691	691	696	696	696	693	705	747	789	818	836	828	789	727	682	662	665	677	681	683	683	685	685	716	0	11	45	843	16	09	658	185
16	✓	✓		667	667	687	686	687	689	686	694	729	771	802	822	815	776	723	(685)	670	678	689	692	692	692	693	692	714	0	11	54	828	[16	04	669	159]
17				691	689	686	687	689	691	697	716	748	781	798	807	800	778	755	720	704	678	678	680	687	697	692	684	718	1	11	08	822	18	51	668	154
18				692	697	690	690	695	700	704	707	738	777	814	829	824	795	757	713	686	677	685	692	693	692	690	691	722	0	11	48	833	17	48	676	157
19				691	692	695	694	691	694	695	675	673	712	750	790	789	774	739	717	711	702	695	691	692	692	694	696	710	1	12	42	800	8	24	659	141
20			✓	698	705	707	696	693	693	691	692	725	767	824	829	834	790	(728)	708	680	647	652	665	660	668	670	671	712	1	10	55	874	17	24	638	236
21			✓	672	676	676	674	677	687	681	646	690	725	748	772	756	750	733	713	697	690	684	684	684	684	682	684	699	2	11	42	792	7	30	625	167
22				685	686	686	689	689	689	683	683	693	706	724	712	710	717	725	713	709	701	694	685	674	678	684	687	696	2	10	50	740	7	42	667	73
23			✓	683	684	686	688	689	690	694	703	708	716	743	756	758	751	733	717	697	682	683	682	681	680	679	685	703	1	12	11	764	22	12	677	87
24				678	678	679	681	683	689	697	712	730	749	752	729	721	687	673	680	694	697	693	688	688	688	686	684	697	0	10	36	761	14	28	668	93
25	✓			688	690	692	692	692	696	709	725	750	769	770	744	704	656	650	667	690	701	701	698	693	691	690	688	702	0	9	57	780	14	02	644	136
26				688	687	689	688	691	706	720	729	742	756	745	728	718	693	676	668	675	691	694	691	690	691	691	693	702	0	9	37	761	13	59	666	95
27	✓			692	693	695	696	696	698	711	725	763	794	804	806	773	719	674	645	659	674	691	689	684	683	683	685	710	0	11	00	816	15	27	636	180
28	✓			688	688	688	687	692	706	727	754	786	818	842	839	813	764	706	653	649	670	688	696	693	693	693	690	722	0	11	03	847	16	04	641	206
29	✓	✓		688	688	689	692	696	705	723	738	773	808	833	843	814	742	672	639	649	678	691	691	689	689	689	688	717	0	11	38	848	15	34	636	212
30	✓	✓		689	689	691	694	695	697	701	713	744	782	825	854	846	778	702	642	637	667	690	699	696	692	694	698	717	0	12	06	860	16	04	630	230
31				700	701	702	701	701	707	715	734	766	617	849	849	820	774	722	685	678	689	697	693	697	699	691	692	728	0	10	53	860	16	24	669	191
MEANS ALL DAYS				689	690	691	692	693	698	702	712	736	767	787	790	776	744	714	693	687	688	690	689	688	688	689	689	712								142
MEANS TEN DAYS ✲				690	690	692	693	696	700	709	723	753	786	805	808	788	745	704	677	675	685	694	695	693	693	693	693	716								160
MEANS FIVE DAYS † (G. M. T.)				691	690	692	694	697	702	710	723	752	786	809	819	803	757	709	676	672	684	690 693	692 696	692	692	693	692	717								
MEANS FIVE DAYS ‡ (G. M. T.)				682	685	687	685	683	688	690	694	722	754	785	795	783	758	730	710	692	682	679	682	675	678	681	681	708								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 130

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JANUARY 1924 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JANUARY 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		438	439	439	440	440	441	440	440	437	438	443	444	438	429	425	421	424	429	433	436	438	437	438	439	436	0	11 01	447	15 42	420	27
2				438	439	439	439	440	439	440	443	447	451	456	454	444	431	433	436	436	438	439	440	439	436	436	437	440	0	10 56	460	13 42	428	32
3				437	436	436	438	440	441	440	441	443	447	451	446	440	433	421	421	426	432	436	440	440	440	440	440	438	1	10 43	453	15 15	420	33
4	✓			440	440	440	440	440	440	440	442	440	440	440	440	436	433	429	428	429	429	430	434	434	434	434	437	436	0	10 47	443	16 00	426	17
5				436	437	438	438	438	433	433	440	445	446	441	432	433	437	438	438	441	441	441	438	438	437	437	437	438	0	9 06	448	5 52	429	19
6				435	436	437	437	437	436	435	437	441	448	449	450	449	440	428	429	431	435	437	437	437	436	437	436	438	0	11 13	452	14 24	425	27
7				434	435	437	437	437	435	433	437	446	452	452	445	437	436	437	437	433	429	430	433	433	435	436	436	437	0	9 56	455	17 12	428	27
8				436	437	437	437	438	436	436	445	459	464	467	463	463	463	460	453	440	437	440	440	439	437	437	437	446	0	10 30	469	6 06	433	36
9				437	437	437	438	440	437	437	442	445	447	453	456	451	444	441	437	439	437	437	437	437	437	437	438	441	0	11 06	456	6 00	433	23
10			✓	437	437	437	440	440	437	438	446	454	460	456	445	433	433	433	437	437	440	441	440	437	437	438	438	440	1	9 50	462	12 50	429	33
11				437	437	437	438	439	437	440	447	453	453	449	442	440	439	441	437	437	437	438	441	441	441	440	440	441	0	9 07	456	15 45	434	22
12	✓	✓		439	437	438	439	440	437	440	449	455	456	460	456	453	445	444	451	450	445	443	441	441	442	442	441	445	0	10 35	461	5 52	433	28
13	✓	✓		441	441	441	441	441	440	439	442	445	450	456	453	438	430	437	444	444	444	442	440	440	440	440	440	442	0	10 51	457	13 30	429	28
14	✓	✓		440	440	440	440	440	440	440	442	445	448	449	448	437	421	421	429	435	437	440	440	440	440	440	439	439	0	10 15	451	13 45	417	34
15				441	441	442	440	440	440	440	445	449	455	457	451	440	436	445	449	444	440	440	438	439	437	437	437	443	1	10 06	460	13 12	430	30
16				436	436	437	439	439	439	440	443	440	444	452	447	435	424	417	427	439	440	436	436	436	436	436	436	437	1	11 00	455	14 51	416	39
17	✓			438	439	439	439	439	439	439	444	443	444	447	451	443	432	427	432	435	432	434	436	436	436	437	437	438	0	11 05	451	14 39	424	27
18	✓			439	438	439	440	440	439	439	444	448	448	448	448	439	433	433	439	442	440	439	(440)	440	440	440	440	441	0	11 13	451	13 36	431	20
19				439	437	437	438	439	439	441	446	444	444	455	459	452	433	436	432	428	432	436	(437)	439	439	439	439	440	1	11 48	460	16 15	425	35
20	✓	✓		440	440	440	440	440	440	439	444	448	454	455	455	448	443	444	454	454	447	442	440	440	440	440	440	444	0	11 12	459	6 30	436	23
21	✓			440	440	440	440	441	441	441	444	441	435	441	444	444	443	445	443	441	441	441	438	437	436	435	437	440	0	14 28	448	9 04	432	16
22			✓	439	441	442	441	442	442	442	445	449	444	449	452	447	448	459	455	448	444	443	(441)	443	443	443	444	445	1	14 43	462	6 00	436	26
23			✓	444	443	444	447	452	452	453	461	467	468	470	472	452	451	450	448	449	447	448	450	448	446	445	445	452	1	10 27	471	1 38	440	31
24				446	448	450	450	451	451	451	452	454	459	461	462	462	461	461	460	455	453	451	447	448	448	448	448	453	1	11 00	463	0 01	444	19
25				449	448	449	449	451	451	452	453	454	453	452	452	443	436	434	434	442	445	446	451	450	448	448	444	447	1	8 32	459	14 10	432	27
26				444	445	446	446	446	447	451	459	458	453	451	451	448	448	451	458	460	454	451	450	450	450	449	445	450	1	16 38	461	0 01	442	19
27				446	445	445	449	451	450	451	453	458	459	460	458	451	450	443	433	431	433	442	442	442	442	443	442	447	0	9 06	462	16 07	426	36
28	✓			442	442	443	446	449	450	450	458	463	465	465	462	461	452	451	443	442	445	448	443	443	442	442	442	450	0	9 20	469	15 45	440	29
29			✓	447	442	442	444	449	451	450	451	451	451	445	444	449	442	432	428	431	437	441	442	444	443	442	442	443	2	12 28	462	15 51	424	38
30			✓	442	442	442	442	445	447	449	459	461	461	467	467	463	462	467	462	459	451	448	443	444	444	445	445	452	2	14 52	470	2 30	440	30
31				446	444	444	445	448	448	448	447	443	443	447	450	448	442	442	441	442	442	442	444	443	442	442	443	444	0	11 09	451	15 15	435	16
MEANS ALL DAYS				440	440	440	441	442	442	442	446	449	451	453	452	446	440	440	440	440	440	440	440	441	440	440	440	443						27
MEANS TEN DAYS ✻				440	440	440	440	441	441	441	445	446	448	450	450	444	436	436	438	440	439	439	439	439	439	439	439	441						25
MEANS FIVE DAYS † (G. M. T.)				440	439	440	440	440	440	440	443	446	449	453	451	443	434	434	440	441	440	439 440	439 439	440	440	440	440	441						
MEANS FIVE DAYS ‡ (G. M. T.)				442	441	441	443	446	446	446	452	456	457	457	456	449	447	448	446	445	444	444	440	441	440	440	441	446						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 131

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1924

FEBRUARY 1924

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			443	443	443	443	444	444	442	443	446	442	447	450	450	449	450	452	455	451	446	442	442	441	441	440	445	0	16 00	458	9 06	440	18
2				440	441	441	441	442	441	441	443	442	441	442	445	448	446	440	434	432	436	441	442	443	443	443	442	441	0	12 45	451	16 08	430	21
3				443	444	444	445	447	444	442	450	451	459	459	453	444	445	452	458	456	453	(451)	449	449	448	447	446	449	0	10 30	460	12 48	440	20
4				446	445	444	446	447	447	446	444	446	451	452	451	444	447	441	435	436	440	441	443	442	441	441	441	444	0	10 06	457	15 33	432	25
5			✓	440	440	441	444	444	443	442	448	450	452	457	451	448	444	442	439	436	432	434	440	440	441	441	440	443	1	10 55	459	17 09	430	29
6			✓	440	440	441	441	443	442	440	442	449	450	450	(448	446)	440	440	439	441	443	445	443	441	442	442	441	443	1	10 24	451	6 30	438	13
7				442	442	443	446	447	445	446	447	451	458	456	450	441	436	435	435	436	440	442	443	443	442	442	442	444	0	9 55	459	13 54	432	27
8	✓			442	443	444	446	448	448	448	450	450	450	440	438	439	434	436	440	442	441	440	441	441	441	441	442	443	0	8 55	456	13 51	431	25
9	✓			441	442	442	444	445	447	443	439	437	437	437	438	436	432	425	423	426	431	438	440	440	440	441	441	438	0	5 55	448	16 07	421	27
10				441	441	441	442	442	443	442	442	445	447	449	450	450	449	447	445	440	440	440	441	441	440	440	442	443	1	12 13	450	6 00	439	11
11				442	442	443	444	445	446	442	440	442	442	443	446	450	450	448	439	439	440	441	445	445	445	444	444	444	0	13 09	451	16 24	435	16
12				444	443	442	443	443	445	444	447	449	450	449	447	445	443	441	442	441	440	440	442	442	440	440	441	443	0	9 20	451	18 08	439	12
13	✓			442	443	445	446	446	447	443	440	440	442	446	443	440	432	434	430	429	431	437	439	441	441	442	443	440	0	10 25	448	15 51	428	20
14	✓	✓		443	443	444	447	447	447	446	447	448	452	450	448	447	446	440	439	439	441	442	444	445	445	445	446	445	0	10 06	453	16 20	438	15
15	✓	✓		445	445	445	445	446	446	443	439	439	440	446	446	448	451	446	441	435	435	439	444	444	444	444	445	443	0	13 20	453	16 58	433	20
16				444	443	442	442	442	444	441	445	448	449	451	452	455	454	452	446	442	440	439	441	442	441	441	441	445	2	12 55	460	17 03	438	22
17				441	442	443	444	444	445	446	446	447	446	446	446	451	451	447	445	440	438	438	441	443	444	445	446	444	1	13 42	453	17 20	437	16
18	✓	✓		446	446	446	446	446	446	443	444	446	446	449	455	456	460	455	446	438	437	442	(442)	444	444	445	447	446	1	13 46	462	17 00	437	25
19	✓			447	447	448	449	450	450	446	442	446	454	459	459	451	451	450	442	441	440	442	(443)	442	442	442	441	447	1	11 02	465	17 34	438	27
20			✓	442	442	443	442	444	444	444	451	448	451	452	451	456	457	457	456	451	445	445	444	444	444	443	443	447	2	12 10	460	0 01	440	20
21			✓	443	443	443	446	447	447	445	444	448	451	451	452	450	450	444	438	437	440	442	442	442	442	442	442	445	1	11 34	458	15 47	435	23
22				443	444	444	446	448	449	450	456	452	450	450	451	457	458	458	458	456	452	449	445	444	444	443	443	450	1	14 21	459	0 01	442	17
23			✓	444	446	446	447	450	450	451	456	459	▽									▽	447	446	445	445	445		0					
24				445	444	444	447	449	449	449	451	451	452	451	449	451	453	455	450	443	442	442	442	443	443	443	443	447	1	14 00	457	17 50	441	16
25				442	443	446	446	446	447	446	444	446	448	454	450	455	455	450	441	433	433	440	441	442	442	443	444	445	0	12 48	458	16 30	432	26
26				444	444	446	446	447	449	450	450	450	450	450	447	446	443	441	437	434	434	436	442	443	444	444	442	444	1	7 00	461	16 30	433	28
27				442	442	443	446	447	448	446	446	445	446	451	455	458	464	459	450	446	445	446	446	446	446	446	447	448	1	13 33	465	0 01	441	24
28	✓	✓		447	448	448	449	449	450	449	449	447	446	450	457	458	464	459	455	450	447	443	443	444	444	443	445	449	0	13 30	466	18 30	441	25
29	✓	✓		446	446	446	448	449	449	446	442	443	447	454	458	458	458	455	(441)	441	441	441	441	442	444	447	448	447	0	12 45	460	16 45	440	20
30																																		
31																																		
MEANS ALL DAYS a)				443	443	444	445	446	446	445	445	446	448	450	450	449	449	446	443	441	440	442	443	443	443	443	443	445						21 a)
MEANS TEN DAYS ✱				444	445	445	446	447	447	445	444	444	446	448	449	448	448	445	441	440	440	441	442	442	443	443	444	444						22
MEANS FIVE DAYS (G. M. T.) †				445	446	446	447	447	448	445	444	445	446	450	453	453	456	451	444	441	440	441 441	443 443	444	444	444	445	446						
MEANS FOUR DAYS (G. M. T.) b) ‡				441	441	442	443	444	444	443	446	449	451	452	450	450	448	446	443	441	440	442	442	442	442	442	441	444						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete day February 23

b) Omitting incomplete Greenwich day February 23

TABLE 132

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1924 — MARCH 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1		✓		446	447	447	447	449	450	450	455	459	459	463	470	475	477	472	459	450	448	444	445	446	447	▽			0	13	20	18	21	35
2										▽	450	450	453	458	460	458	455	452	449	449	447	447	447	447	447	446	447		0	11	32	21	57	18
3				448	449	449	449	450	450	449	453	456	458	464	465	468	472	466	464	460	455	451	450	450	450	449	450	455	1	13	22	6	00	28
4	✓			450	450	450	450	450	451	450	455	458	459	464	465	465	468	468	461	455	450	448	449	450	450	450	450	455	0	14	08	18	52	24
5				450	450	450	451	452	452	450	450	454	455	457	458	458	457	458	457	454	451	450	450	450	450	450	450	453	0	14	55	6	30	10
6				450	450	451	451	450	450	450	453	454	452	450	452	453	454	452	451	449	449	448	447	446	449	449	449	450	0	8	30	19	45	11
7			✓	449	449	449	450	450	451	452	454	455	454	455	451	450	449	448	443	444	448	449	452	450	450	449	449	450	0	8	26	15	36	17
8			✓	449	449	449	451	452	452	453	456	457	457	457	455	451	449	448	446	447	449	449	449	449	449	449	449	451	1	8	00	6	03	15
9				449	449	449	450	453	454	456	460	459	458	459	458	457	456	449	444	443	445	445	449	449	449	449	449	451	0	10	40	15	40	21
10				449	450	449	452	454	454	455	458	458	458	458	458	458	457	456	449	449	449	449	449	449	449	449	449	453	0	9	32	18	30	14
11	✓			449	449	449	451	453	453	451	449	450	451	454	457	463	464	461	457	453	449	449	450	450	450	451	450	453	0	13	27	18	00	17
12				451	451	452	453	454	454	451	449	451	457	465	467	471	472	472	465	457	453	451	450	453	454	454	454	457	0	13	20	7	40	24
13	✓			453	453	453	453	453	454	454	453	452	452	455	462	467	469	466	465	458	453	449	453	453	453	454	454	456	0	13	00	18	03	24
14	✓	✓		454	454	454	454	454	454	450	448	448	449	457	465	467	470	466	460	456	449	448	450	450	452	452	452	455	0	13	42	18	08	25
15	✓	✓		452	452	453	454	454	454	451	449	448	448	448	448	450	456	456	449	448	447	448	451	451	451	451	450	451	0	14	00	17	15	13
16				450	450	450	453	454	454	454	452	454	457	463	467	474	479	473	465	458	456	454	(454)	454	454	455	454	458	0	13	30	1	00	32
17	✓	✓		454	454	454	457	457	457	457	456	451	449	448	448	448	448	448	449	448	447	449	(450)	448	449	449	452	451	0	4	35	17	08	13
18	✓			452	453	454	455	454	454	454	453	454	455	457	461	468	469	468	459	454	449	449	450	452	453	454	451	456	0	13	30	18	00	24
19				451	452	453	454	454	454	449	447	449	453	455	455	455	459	458	456	454	452	451	452	451	450	450	450	453	1	13	39	7	38	15
20			✓	450	450	453	454	455	454	451	448	451	453	453	454	454	455	459	454	447	445	447	449	449	450	450	449	451	1	14	22	18	00	20
21				450	450	453	454	454	454	452	448	449	449	450	453	455	458	457	454	447	447	448	449	449	450	450	449	451	1	13	53	17	00	15
22				451	452	453	454	454	454	454	452	454	458	462	462	463	467	466	463	458	454	453	454	454	453	454	454	456	0	14	00	17	55	19
23				453	453	454	455	455	455	456	456	456	455	449	447	449	453	450	447	447	447	448	450	449	449	450	451	451	0	7	30	16	30	15
24				453	454	454	455	455	455	459	465	468	470	468	465	464	461	455	447	446	447	449	451	451	451	452	453	456	0	9	15	16	04	26
25				453	454	454	455	455	455	456	458	459	460	456	454	450	447	440	438	438	440	447	452	452	452	451	453	451	0	9	40	15	55	27
26	✓			453	453	453	453	454	454	454	455	460	463	467	470	471	466	462	453	450	448	453	454	453	453	451	453	456	0	12	50	16	30	25
27	✓			453	453	453	454	454	454	454	448	446	443	444	446	453	454	453	450	447	447	451	453	453	453	453	453	451	0	13	40	9	32	14
28	✓	✓		453	453	454	454	454	454	453	447	445	445	451	455	456	457	450	447	447	446	449	453	453	453	453	453	452	0	12	57	9	00	17
29				453	454	453	455	455	455	458	457	454	454	455	455	454	453	447	444	444	445	448	451	452	453	453	452	452	1	7	00	14	45	17
30			✓	453	453	453	454	454	455	456	462	463	465	463	469	467	462	454	451	448	449	452	450	450	451	452	454	456	1	11	42	15	55	25
31			✓	455	455	456	457	457	456	455	454	454	454	454	453	453	452	447	445	446	448	450	451	453	452	453	453	453	0	5	15	16	15	14
MEANS ALL DAYS a)				451	452	452	453	454	454	453	453	454	455	456	458	459	460	457	453	450	449	449	451	451	451	451	451	453						19 a)
MEANS TEN DAYS ✲				452	452	453	454	454	454	453	451	451	451	454	458	461	462	460	455	452	448	449	451	451	452	452	452	453						20
MEANS FIVE DAYS † (G. M. T.)				452	452	452	453	454	454	452	451	450	450	453	457	460	462	458	453	450	447	449 448	450 450	450	451	452	452	453						
MEANS FIVE DAYS ‡ (G. M. T.)				451	451	452	453	454	454	453	455	456	457	456	456	455	453	451	448	446	448	449	450	450	451	451	451	452						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days March 1 and 2

TABLE 133

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1924 — APRIL 1924

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				454	454	454	455	456	456	454	452	448	447	451	456	462	461	458	454	448	449	453	453	453	454	454	455	454	0	12 18	462	9 25	446	16
2	✓			455	455	455	455	456	456	455	454	452	452	453	458	463	464	465	463	460	456	455	455	455	455	456	456	457	0	14 21	466	8 54	449	17
3				456	456	456	456	456	456	456	457	456	455	453	456	454	452	450	453	454	454	455	455	455	455	455	455	455	0	11 44	458	14 25	448	10
4		✓		455	456	455	456	457	457	456	453	448	448	450	455	456	456	456	455	453	453	454	455	455	455	455	456	454	0	14 40	458	9 08	447	11
5	✓	✓		455	455	456	456	456	456	454	454	455	460	461	461	459	455	455	456	455	454	454	454	454	454	454	455	456	0	11 42	462	7 30	453	9
6			✓	455	455	455	459	458	456	455	455	454	453	455	454	452	454	454	451	449	447	452	453	453	454	454	454	454	1	3 12	461	11 45	447	14
7			✓	454	454	455	456	457	457	454	453	452	452	457	466	469	469	466	461	457	456	455	454	454	454	454	455	457	1	14 15	470	9 16	448	22
8	✓			455	456	457	460	461	461	461	463	463	463	462	461	462	456	449	447	447	452	454	455	455	455	456	455	457	0	9 00	467	14 54	447	20
9				455	456	456	457	457	458	460	462	462	464	463	469	470	464	461	454	452	453	453	454	454	454	455	456	458	0	12 38	471	16 22	450	21
10	✓			456	456	457	458	459	459	458	459	461	463	470	479	479	471	464	455	452	452	454	456	456	456	457	457	460	0	11 56	480	17 00	450	30
11	✓	✓		457	457	459	459	461	461	462	464	463	468	470	477	477	470	461	454	451	452	454	455	456	457	458	460	461	0	11 57	479	16 48	449	30
12				462	462	461	462	462	462	460	463	468	472	478	485	486	480	471	463	458	457	457	458	459	461	462	462	465	0	12 15	488	17 00	456	32
13	✓	✓		462	462	462	462	462	462	462	463	469	471	471	480	485	480	471	463	456	455	457	458	460	461	462	462	465	0	12 20	488	16 35	455	33
14	✓			462	462	462	462	462	462	462	461	459	456	455	462	463	462	456	453	452	455	458	458	458	458	458	457	459	0	12 45	465	16 00	450	15
15				462	462	462	462	462	462	462	463	461	457	456	458	464	466	466	463	461	457	457	(456)	455	455	456	455	460	0	14 48	468	10 53	454	14
16	✓			456	456	456	456	456	456	456	456	454	455	459	464	470	468	463	460	455	453	454	(453)	459	460	461	460	458	0	12 21	471	18 00	451	20
17			✓	460	461	462	463	462	462	459	453	450	445	451	454	459	459	460	462	462	459	458	459	459	459	459	460	458	0	5 35	463	9 30	444	19
18				460	460	461	462	462	461	461	458	454	452	451	451	453	454	451	450	451	454	457	459	459	459	459	459	457	0	6 25	464	10 57	449	15
19				459	460	462	462	462	462	459	458	455	452	458	467	473	474	474	471	467	462	461	460	460	460	462	462	463	0	13 08	476	9 33	451	25
20				463	464	464	465	465	465	467	469	469	472	475	474	469	461	460	454	453	458	460	460	460	460	460	461	464	0	11 30	476	16 15	452	24
21				461	461	461	462	462	463	465	462	460	456	453	455	460	458	456	456	457	457	458	460	460	460	460	460	459	1	6 42	467	10 17	452	15
22				460	461	462	462	462	463	463	464	465	467	467	461	459	452	449	450	451	454	458	460	460	461	462	462	460	0	10 22	468	14 34	448	20
23				461	460	460	461	461	461	464	467	466	460	460	460	453	451	451	452	454	456	458	459	460	459	459	460	459	0	7 54	468	13 06	450	18
24	✓			461	461	461	461	461	461	462	464	468	473	478	477	475	467	461	457	457	458	460	461	461	461	461	460	464	0	10 45	479	16 00	456	23
25			✓	461	461	467	461	462	462	463	464	463	461	457	453	460	461	460	456	453	455	457	460	460	461	461	461	460	1	2 24	470	11 07	451	19
26			✓	461	461	461	461	461	462	465	470	470	469	466	461	463	465	461	457	454	455	457	459	460	461	461	461	462	1	7 00	470	16 40	453	17
27				461	461	461	462	462	462	462	461	461	461	465	467	465	466	466	461	460	461	461	461	462	462	463	463	462	0	11 07	469	16 30	459	10
28				463	463	464	463	464	464	465	463	463	464	464	470	473	475	470	470	469	466	464	461	461	461	461	462	465	0	13 28	477	22 20	460	17
29				463	464	465	465	464	464	464	463	467	461	462	463	467	468	467	464	462	462	462	462	462	463	465	465	464	0	14 00	470	9 30	461	9
30	✓	✓		465	465	465	465	465	465	466	465	463	462	468	471	471	469	470	471	466	463	464	464	465	465	465	465	466	0	11 48	473	9 10	462	11
31																																		
MEANS ALL DAYS				459	459	460	460	460	460	460	460	460	460	461	464	466	464	461	458	456	456	457	458	458	458	459	459	460						19
MEANS TEN DAYS ✲				458	458	459	459	460	460	460	460	461	462	465	469	470	466	462	458	455	455	456	457	458	458	459	459	460						21
MEANS FIVE DAYS † (G. M. T.)				459	459	459	460	460	460	460	460	460	462	464	469	470	466	463	460	456	455	456 457 457 457		457	458	459	459	460						
MEANS FIVE DAYS ‡ (G. M. T.)				458	458	460	460	460	460	459	459	458	456	457	458	461	462	460	457	455	454	456	456	457	458	458	458	458						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 134

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1924 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				467	467	468	467	467	467	469	469	470	471	473	471	471	467	462	462	462	462	462	462	462	462	463	462	466	0	10 40	477	17 05	461	16
2	✓			463	463	463	465	465	467	469	470	471	471	471	470	467	467	462	457	457	461	462	462	462	463	463	462	465	0	10 10	472	16 06	456	16
3				464	464	464	464	465	465	464	465	468	470	468	468	469	470	470	463	461	462	463	463	463	464	464	464	465	0	9 32	472	16 20	459	13
4				464	464	465	466	465	466	466	466	464	463	465	468	466	463	463	460	461	463	463	463	463	463	463	463	464	0	11 07	469	15 40	459	10
5				464	464	465	465	465	466	466	464	464	463	463	468	468	468	468	465	463	463	463	464	464	464	464	465	465	0	13 53	470	9 20	463	7
6	✓	✓		465	466	467	467	467	467	468	465	463	463	468	475	479	485	486	483	474	469	468	464	464	464	465	463	469	0	14 00	488	8 24	463	25
7	✓	✓		466	467	467	467	468	468	469	465	464	464	464	469	478	479	478	473	469	469	469	467	467	467	466	466	469	0	13 08	480	10 05	464	16
8				466	467	469	470	469	472	472	469	465	464	460	462	462	464	461	456	458	463	464	466	466	465	466	467	465	0	6 20	472	16 30	455	17
9				467	468	468	467	468	470	471	475	476	473	474	482	484	483	476	466	464	464	464	464	465	465	467	467	470	0	13 10	487	16 53	463	24
10	✓			467	467	468	469	469	470	467	464	465	473	478	477	477	475	473	464	463	464	464	467	467	467	468	468	469	0	10 50	478	16 40	461	17
11	✓			469	470	470	472	472	472	471	465	465	461	465	470	474	473	473	470	465	465	465	468	468	469	471	469	469	0	13 00	475	9 13	460	15
12				470	469	470	470	470	470	471	471	471	470	470	473	479	478	474	465	463	463	465	465	465	465	466	467	469	1	12 45	482	16 30	461	21
13				469	470	471	470	470	471	473	468	465	465	466	474	482	482	473	465	465	464	464	465	465	465	466	466	469	0	12 54	484	16 45	462	22
14	✓	✓		466	466	467	466	466	467	468	467	467	466	464	464	465	465	460	457	457	460	463	(465)	465	465	465	465	464	0	6 32	470	16 10	456	14
15	✓			465	465	465	466	466	467	467	465	463	465	473	476	475	474	476	470	461	460	462	(464)	470	470	470	469	468	0	14 02	479	17 00	457	22
16				471	471	472	472	472	472	472	473	479	480	479	480	480	473	467	464	462	463	464	466	468	468	469	469	471	0	11 42	486	16 30	460	26
17	✓			469	469	470	470	472	471	472	472	465	464	464	464	464	463	462	463	464	464	467	466	467	469	469	470	467	0	6 24	474	14 35	460	14
18	✓	✓		471	471	471	472	472	472	473	471	467	467	465	466	472	482	485	478	471	466	465	466	468	469	469	471	471	0	14 26	487	10 15	464	23
19				471	471	471	472	472	472	473	471	464	463	462	457	464	472	473	464	458	463	464	469	469	469	469	470	468	0	14 30	474	11 54	455	19
20	✓			471	472	472	473	473	473	474	474	475	479	483	488	488	483	472	464	465	470	471	472	472	473	472	473	474	0	12 20	489	15 30	461	28
21			✓	473	474	474	474	474	474	475	480	479	473	467	465	465	465	463	463	465	470	470	470	471	469	471	465	470	2	7 37	481	13 25	458	23
22			✓	465	466	465	465	468	473	479	487	486	481	473	465	465	459	456	457	458	465	467	471	472	473	474	473	469	2	7 09	488	15 00	456	32
23			✓	473	474	474	473	474	474	479	479	473	470	466	465	465	464	465	473	473	471	471	470	471	472	472	472	471	1	6 49	479	13 11	461	18
24			✓	474	474	474	474	474	475	477	474	471	467	466	466	464	462	464	466	466	470	471	473	473	473	474	474	471	1	6 34	480	13 24	462	18
25				474	474	474	474	475	475	475	472	470	466	470	474	474	475	475	473	471	471	472	474	474	474	473	473	473	0	5 50	477	9 40	465	12
26				474	474	474	474	474	475	475	475	474	474	473	471	468	466	468	469	468	469	472	474	474	474	474	474	472	0	6 30	476	13 00	466	10
27				474	474	474	475	475	476	477	479	478	479	481	480	479	480	481	477	471	467	469	471	472	472	471	470	475	0	13 45	482	17 25	466	16
28			✓	472	473	472	472	473	474	476	481	483	486	487	489	489	487	484	483	476	473	475	475	476	476	476	476	478	1	9 55	490	0 40	468	22
29				476	476	476	476	476	476	480	480	476	475	473	472	475	475	475	475	473	471	472	473	474	475	475	475	475	0	6 35	482	10 50	468	14
30				475	475	475	475	476	476	481	478	476	475	475	476	480	476	476	474	473	474	474	474	475	475	475	475	476	0	12 35	482	15 56	471	11
31		✓		475	475	476	476	476	476	477	478	481	481	483	484	490	494	490	477	472	471	473	475	475	475	475	475	478	0	13 42	496	17 00	469	27
MEANS ALL DAYS				469	470	470	470	471	471	472	472	471	470	471	472	473	473	471	468	465	466	467	468	469	469	469	469	470						18
MEANS TEN DAYS ✻				467	468	468	469	469	469	470	468	466	467	470	472	474	475	473	468	465	465	466	466	467	468	468	468	468						19
MEANS FIVE DAYS (G. M. T.) †				469	469	470	470	470	470	471	469	468	468	469	472	477	481	480	474	469	467	467 468	467 467	467	467	468	468	470						
MEANS FIVE DAYS (G. M. T.) ‡				471	472	472	472	473	474	477	480	478	475	472	470	470	467	466	468	468	470	471	471	472	472	472	471	472						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 135

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1924 — JUNE 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			477	477	477	478	477	478	480	480	476	473	472	480	482	482	481	475	470	470	474	474	476	475	475	474	476	0	12 20	483	10 05	468	15
2				477	476	477	477	478	478	479	477	473	468	468	473	475	477	478	474	470	473	475	475	475	476	476	476	475	0	14 30	481	10 32	467	14
3	✓	✓		475	476	477	476	477	477	479	478	475	476	478	483	482	479	482	480	477	473	474	475	475	475	475	476	477	0	11 38	484	17 35	472	12
4				476	476	477	478	478	478	482	482	480	478	477	478	482	484	482	479	475	475	476	476	476	476	477	477	478	0	13 20	485	16 35	474	11
5	✓			477	477	477	477	478	479	479	482	478	473	473	475	475	474	475	473	468	470	474	475	476	476	476	476	476	0	7 45	483	16 55	467	16
6	✓	✓		477	477	478	478	478	480	482	484	485	491	492	492	493	493	486	483	477	476	477	478	478	478	478	478	482	0	13 15	495	17 00	474	21
7	✓	✓		478	478	478	478	480	482	484	484	480	476	476	476	476	475	478	476	473	474	477	478	478	478	478	478	478	0	7 25	486	17 10	471	15
8	✓	✓		478	478	478	478	479	480	483	480	480	480	480	478	482	484	484	480	476	475	476	476	476	477	476	477	479	0	13 25	485	17 10	473	12
9				477	477	478	478	479	480	479	476	471	476	478	483	486	484	479	475	472	474	476	477	478	480	480	479	478	1	12 44	491	16 48	469	22
10			✓	480	478	479	479	479	484	484	481	477	476	475	470	469	469	470	469	470	473	477	478	479	478	478	478	476	2	5 30	486	12 41	461	25
11			✓	478	478	478	479	480	482	487	493	493	488	483	485	484	476	470	469	469	473	471	478	479	479	479	479	480	2	8 00	494	17 59	461	33
12				481	481	481	481	480	481	484	485	480	477	477	478	479	478	483	482	479	479	479	479	479	481	482	482	480	0	14 48	486	10 30	475	11
13	✓			481	481	481	482	482	483	484	484	479	479	483	479	469	462	461	461	467	470	474	477	477	478	479	[479]	476	0	11 00	485	14 45	460	25
14		✓		[479]	▽					▽	486	488	486	483	484	485	492	488	484	478	478	478	(481)	481	480	480	480		0	13 24	493	[16 55	477	16]
15				481	481	481	481	481	481	482	481	481	479	482	486	490	488	484	477	474	475	476	(479)	480	480	480	480	481	0	13 02	490	16 27	473	17
16				481	481	481	482	482	482	484	481	473	469	469	469	472	472	474	474	472	473	475	476	479	479	480	481	477	0	6 20	485	11 03	467	18
17				481	481	481	481	482	481	483	481	475	472	473	474	479	481	480	480	478	477	478	476	476	477	478	480	479	0	6 20	484	9 37	472	12
18			✓	481	482	482	482	482	484	483	482	479	478	481	482	482	475	473	469	469	474	478	482	482	482	482	482	480	1	5 45	487	16 20	467	20
19			✓	482	482	483	482	482	482	482	491	491	490	483	482	482	482	482	477	476	479	478	477	483	481	482	479	482	1	8 40	494	15 57	473	21
20			✓	480	482	482	482	482	483	486	486	483	476	473	467	459	462	466	465	466	471	475	477	479	479	478	477	476	0	6 50	487	12 51	458	29
21				478	478	479	479	479	480	482	483	482	476	473	474	475	470	470	468	467	473	477	481	481	482	479	479	477	0	7 00	485	16 10	466	19
22				479	480	480	481	481	482	482	484	484	483	480	482	483	484	483	482	478	477	480	481	482	480	482	481	481	0	8 45	485	17 00	476	9
23				481	483	484	483	483	483	483	485	483	480	478	481	485	487	483	477	476	476	480	481	481	482	482	482	482	0	12 59	488	16 51	474	14
24				482	483	483	482	482	483	486	487	487	484	481	483	484	484	483	481	478	478	481	482	482	483	483	483	483	0	7 30	489	16 57	476	13
25	✓			483	483	483	483	483	483	486	486	483	481	483	485	485	485	484	477	474	478	479	483	483	483	483	483	482	0	7 12	487	15 55	473	14
26	✓			483	483	483	483	483	483	488	485	483	475	474	470	477	479	475	475	474	476	479	482	483	483	483	483	480	0	6 44	491	11 10	468	23
27				484	484	484	484	484	484	486	488	487	484	484	484	484	486	485	478	474	477	480	484	484	484	484	484	483	0	7 52	489	16 51	472	17
28	✓			484	484	484	484	484	484	488	485	484	484	481	480	484	483	485	484	483	483	484	(484	484)	484	484	484	484	0	6 22	489	11 17	477	12
29				484	484	484	484	484	484	485	481	478	476	474	474	476	476	474	473	472	476	478	478	479	480	482	482	479	0	6 23	487	15 18	470	17
30				481	482	484	483	482	483	484	485	484	482	⊼								⊼	481	482	483	484	484		0					
31																																		
MEANS ALL DAYS a)				480	480	480	480	481	481	483	483	481	478	478	479	480	479	478	475	473	475	477	479	479	480	480	480	479						a) 18
MEANS TEN DAYS ✻				479	479	480	480	480	481	482	483	480	479	479	480	480	480	479	476	474	474	477	478	479	479	479	479	479						16
MEANS FOUR DAYS (G. M. T.) b) †				477	477	478	478	478	480	482	482	480	481	482	482	483	483	482	480	476	474	476 476	476 477	477	477	477	477	479						
MEANS FIVE DAYS (G. M. T.) ‡				480	480	481	481	481	483	484	487	485	482	479	477	475	473	472	470	470	474	476	478	480	480	480	480	479						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days June 14 and 30

b) Omitting incomplete Greenwich day June 14

TABLE 136

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1924 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME) JULY 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			485	485	485	485	485	485	488	489	486	482	483	485	483	477	470	475	474	478	480	481	482	482	482	483	482	0	7 00	491	14 32	468	23
2	✓			484	484	483	484	485	485	487	489	493	489	487	485	478	476	479	483	480	480	482	483	483	485	485	485	484	0	8 28	494	13 10	474	20
3	✓	✓		484	484	484	485	485	485	488	489	487	486	484	482	479	479	479	480	478	478	480	481	482	482	482	482	483	0	7 18	491	16 55	476	15
4	✓	✓		482	482	484	483	484	484	487	487	486	480	478	474	474	478	478	478	478	478	480	480	480	482	483	484	481	0	6 48	490	12 08	471	19
5	✓			485	486	486	486	486	486	487	488	490	489	488	488	493	495	489	481	477	478	481	486	486	486	486	487	486	0	13 24	496	16 28	475	21
6	✓			487	486	487	487	487	487	488	488	484	480	481	484	481	480	479	472	472	478	482	486	486	486	486	486	483	0	6 53	490	16 00	471	19
7				486	486	486	486	487	486	487	489	489	488	486	487	490	486	480	475	477	480	483	485	486	486	486	486	485	0	12 10	494	16 42	472	22
8				485	484	485	486	486	486	487	486	480	474	472	477	478	474	475	477	477	479	482	486	487	487	487	487	482	0	6 59	488	10 00	470	18
9			✓	487	487	487	487	488	488	490	487	483	479	476	478	477	474	475	472	475	479	483	486	486	487	488	487	483	1	6 26	493	15 27	469	24
10				486	486	487	488	487	488	489	489	491	493	494	493	495	500	499	487	483	483	486	487	488	489	490	489	489	1	13 54	505	16 45	481	24
11				489	489	489	489	489	489	491	490	486	479	479	486	487	486	485	486	485	485	486	487	488	490	490	490	487	0	6 45	494	9 42	477	17
12				488	488	487	489	487	489	493	494	494	494	494	495	502	499	499	494	489	487	487	486	487	487	487	488	491	0	12 31	503	19 00	485	18
13				489	487	486	488	489	489	491	487	482	476	470	472	478	480	481	478	473	477	482	486	486	487	487	487	483	0	6 33	493	10 20	468	25
14	✓			487	487	487	487	487	487	487	486	485	487	493	494	502	503	501	495	487	485	485	487	487	487	488	489	490	0	12 54	504	17 20	484	20
15				487	487	488	488	488	489	490	489	485	480	478	484	486	485	485	484	480	481	486	(489)	489	487	487	486	486	0	6 24	491	10 03	476	15
16				486	487	487	486	487	488	490	494	492	486	485	490	494	489	489	489	485	483	483	(486)	485	485	487	485	487	0	12 30	495	18 34	482	14
17				486	488	488	487	488	489	489	485	483	479	475	477	481	483	483	481	480	481	484	484	485	486	487	489	484	0	1 54	490	10 40	475	15
18				489	489	489	490	490	490	491	493	491	489	490	492	493	494	496	493	488	484	485	487	488	488	488	487	490	0	14 24	498	17 10	483	15
19				488	487	488	489	488	488	490	490	489	487	486	487	487	483	479	476	475	478	481	484	485	486	487	487	485	0	7 00	492	15 54	473	19
20			✓	487	487	487	487	487	488	488	489	488	488	486	482	481	480	481	482	480	482	483	487	487	487	487	487	485	1	7 17	490	11 30	478	12
21				486	486	487	486	486	486	487	495	495	492	491	491	489	486	485	478	478	480	481	485	484	486	486	486	486	0	7 55	497	15 56	477	20
22	✓			486	486	486	486	486	486	487	487	486	485	487	491	491	487	488	486	482	481	483	485	486	486	486	485	486	0	11 56	493	17 08	480	13
23	✓	✓		486	486	486	486	486	486	488	487	486	485	486	486	486	483	479	478	478	479	481	484	485	486	486	486	484	0	6 49	490	17 11	477	13
24				486	486	486	486	486	486	487	485	479	481	485	488	491	491	489	490	489	486	486	486	486	486	486	486	486	0	12 57	494	8 21	478	16
25			✓	486	486	486	487	487	487	494	486	477	476	477	477	476	470	468	474	474	474	479	482	483	483	484	485	481	0	6 35	496	14 09	463	33
26			✓	484	484	484	486	486	485	486	491	491	488	489	489	488	492	494	491	488	486	483	486	485	486	486	486	487	1	14 06	496	18 42	482	14
27			✓	486	486	486	486	487	487	489	487	486	481	478	478	478	478	480	479	479	480	481	483	482	484	483	484	483	1	6 12	494	13 39	477	17
28				484	484	484	485	485	486	486	487	487	486	487	491	491	489	487	486	481	480	481	482	482	483	483	484	485	0	12 14	492	16 52	478	14
29				484	484	485	485	485	485	485	485	485	486	493	499	500	497	492	485	478	478	480	481	481	482	483	484	486	0	12 20	500	17 00	476	24
30		✓		485	485	485	485	485	485	486	485	485	485	486	488	490	493	496	495	491	485	482	484	482	484	485	485	487	0	14 24	499	18 31	481	18
31	✓	✓		485	485	485	485	485	486	491	490	485	481	477	477	480	480	478	478	476	477	479	481	483	484	485	484	482	0	6 51	493	16 37	475	18
MEANS ALL DAYS				486	486	486	486	487	487	489	488	487	484	484	485	486	485	484	483	480	481	482	485	485	486	486	486	485						19
MEANS TEN DAYS ✻				485	485	485	485	486	486	488	488	487	484	484	485	485	484	482	481	478	479	481	483	484	485	485	485	484						18
MEANS FIVE DAYS † (G. M. T.)				484	484	485	485	485	485	488	488	486	483	482	481	482	483	482	482	480	479	481 480	483 482	483	484	484	484	483						
MEANS FIVE DAYS ‡ (G. M. T.)				486	486	486	487	487	487	489	488	485	482	481	481	480	479	480	480	479	480	482	485	485	486	486	486	484						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 137

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

AUGUST 1924 — AUGUST 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				484	484	485	485	485	487	489	488	485	479	479	480	485	485	485	485	485	483	481	485	485	484	484	485	484	0	6 15	490	10 30	477	13
2				485	485	485	485	486	486	489	489	483	476	476	476	476	475	475	474	472	476	480	482	483	484	484	485	481	0	6 55	491	11 55	471	20
3				484	485	485	485	485	485	485	485	480	477	481	485	485	485	485	480	481	480	484	484	485	485	485	485	484	0	7 24	487	9 30	476	11
4				485	485	485	485	485	486	488	485	476	475	476	476	476	474	475	472	470	476	479	480	481	483	484	485	480	0	6 40	489	16 00	468	21
5			✓	485	485	485	485	486	486	486	485	480	479	481	485	488	492	493	488	485	483	483	485	485	485	484	485	485	0	14 00	494	8 55	477	17
6				485	484	484	485	485	485	487	486	485	483	485	487	487	489	490	481	476	476	481	485	485	485	485	485	484	0	14 12	493	17 18	475	18
7				484	484	484	484	484	484	484	485	486	484	481	484	491	490	487	480	476	477	479	483	484	484	484	484	484	0	12 16	493	16 30	475	18
8				484	484	483	484	484	484	484	484	485	484	485	492	493	493	491	484	480	477	480	484	484	484	484	484	485	0	13 05	494	17 30	476	18
9	✓			484	484	484	484	484	484	484	484	482	481	485	491	489	487	486	484	478	478	480	484	484	484	484	484	484	0	11 45	492	17 00	477	15
10	✓			484	484	484	484	484	484	485	485	486	492	499	500	502	502	498	491	485	484	484	484	484	484	484	484	488	0	13 20	504	18 45	483	21
11	✓	✓		484	484	484	484	485	486	489	486	483	479	477	480	484	482	481	480	479	483	484	484	484	484	484	484	483	0	6 30	491	10 30	475	16
12	✓	✓		484	484	484	484	484	484	484	484	483	480	484	487	490	489	487	485	481	482	484	482	482	483	483	483	484	0	12 50	492	17 00	479	13
13	✓			484	484	484	484	484	484	484	484	481	480	476	484	485	478	475	476	478	479	479	484	484	484	484	484	482	0	12 00	489	14 00	472	17
14	✓			484	484	484	484	485	485	485	485	484	485	480	475	479	475	471	469	469	475	479	480	482	483	484	484	480	0	9 20	487	16 00	468	19
15				484	484	484	484	484	484	484	485	485	487	485	482	478	484	480	479	(477)	476	479	482	483	482	483	483	482	0	10 06	489	[17 07	474	15]
16				482	483	483	484	484	484	484	484	484	485	489	488	483	475	473	(473)	473	476	480	481	481	481	481	482	481	0	10 42	491	16 10	472	19
17			✓	481	481	482	483	483	484	486	483	481	480	483	483	479	478	474	475	475	477	479	480	481	484	□			0	6 30	487	14 45	473	14
18			✓							□	486	483	483	484	488	490	484	477	476	477	479	479	481	482	482	481	483		0	12 30	491	14 51	475	16
19	✓			481	481	482	483	485	485	486	486	486	483	480	474	469	464	468	470	474	477	481	481	482	482	483	483	479	0	7 20	487	13 15	463	24
20		✓		482	482	482	484	485	485	486	485	481	476	471	476	480	480	480	480	480	480	480	[481]	△					0	6 50	487	10 34	468	19
21		✓																				△	481	481	482	482	482							
22	✓			483	482	483	484	485	485	484	483	481	482	480	482	486	485	480	475	475	477	480	482	482	482	483	483	482	0	12 30	487	15 51	472	15
23				483	483	485	485	485	486	486	485	482	477	473	476	482	488	487	(481)	476	477	480	483	483	483	484	484	482	0	13 36	489	16 59	475	14
24				485	483	483	485	486	486	487	490	491	493	498	498	489	483	481	482	482	481	482	482	483	483	484	484	486	0	11 05	501	14 12	479	22
25	✓	✓		484	484	485	485	486	486	487	488	486	485	486	481	479	480	480	481	483	481	482	482	483	483	483	485	484	0	7 15	490	12 30	476	14
26				485	485	485	484	486	486	486	486	485	480	481	485	482	482	484	483	481	480	480	481	481	482	482	483	483	0	7 02	488	9 45	479	9
27				483	484	484	485	485	485	485	483	479	479	480	483	485	481	479	477	480	481	481	481	482	482	482	483	482	0	12 07	486	15 15	476	10
28	✓			483	484	485	485	485	485	485	489	489	487	485	485	487	487	484	481	479	480	480	480	481	482	483	485	484	0	7 56	490	16 42	478	12
29			✓	485	485	485	485	486	486	489	487	485	485	482	483	484	482	480	478	479	480	481	482	484	482	481	482	483	0	6 55	490	15 25	477	13
30			✓	483	484	485	485	486	487	491	489	487	490	491	494	492	490	486	486	485	485	485	484	485	485	485	486	487	1	11 38	495	0 10	481	14
31				486	485	487	487	489	489	489	487	483	479	475	480	485	486	485	483	481	481	482	483	484	484	485	485	484	0	6 40	490	10 00	474	16
MEANS ALL DAYS a)				484	484	484	485	485	485	486	486	484	482	483	484	485	484	482	480	479	479	481	483	483	483	484	484	483						a) 16
MEANS TEN DAYS ✲				484	484	484	484	485	485	485	485	484	483	483	484	485	483	481	479	478	480	481	482	483	483	484	484	483						17
MEANS FOUR DAYS (G. M. T.) b) †				484	484	484	484	485	485	486	486	483	480	480	481	483	483	482	482	481	482	483 483 482 482		483	483	484	484	483						
MEANS FOUR DAYS (G. M. T.) c) ‡				484	484	484	484	485	486	488	486	483	484	484	486	486	486	483	482	481	481	482	481	482	482	482	484	484						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-seven days only, omitting incomplete days August 17, 18, 20 and 21
b) Omitting incomplete Greenwich day August 21
c) Omitting incomplete Greenwich day August 18

TABLE 138

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

SEPTEMBER 1924 — SEPTEMBER 1924

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	485	485	482	485	489	487	486	481	479	475	474	473	473	475	472	471	475	482	485	483	484	484	484	484	481	0	4 45	491	15 04	469	22
2	✓	✓		484	484	484	485	485	485	486	485	483	478	474	474	474	471	468	472	474	478	479	481	481	480	480	481	479	0	6 22	488	13 56	468	20
3				481	481	482	484	484	485	486	489	489	489	489	490	489	491	488	484	480	479	480	482	483	483	483	484	485	0	13 06	492	17 26	479	13
4				484	484	484	485	485	485	485	486	487	487	488	485	485	484	481	484	479	481	481	483	483	484	483	483	484	1	8 38	490	15 32	477	13
5				484	484	485	485	486	488	489	489	481	475	474	476	482	479	478	478	478	479	479	480	480	482	483	481	481	0	7 03	490	10 40	473	17
6				482	484	484	484	485	488	489	484	477	473	468	468	473	477	478	478	478	479	480	481	482	483	484	484	480	0	6 00	490	10 45	467	23
7			✓	483	483	484	484	485	486	490	488	487	487	486	488	485	479	479	481	484	485	485	484	483	482	479	481	484	1	9 48	490	13 35	474	16
8			✓	482	483	484	486	486	488	487	484	479	479	479	480	482	484	484	480	480	479	479	478	479	482	482	482	482	1	5 27	489	9 32	477	12
9				482	482	482	483	484	484	484	484	478	477	474	473	478	484	479	472	470	473	477	479	479	479	479	481	479	0	6 00	488	16 40	468	20
10	✓			481	482	482	484	484	485	489	489	486	482	479	477	480	484	479	474	472	472	477	479	479	479	479	481	481	0	7 15	491	17 00	471	20
11	✓	✓		480	481	482	484	483	483	483	479	476	476	477	483	488	490	489	484	477	474	476	478	479	480	481	481	481	0	13 20	493	17 17	473	20
12				483	483	483	483	483	483	483	480	477	470	465	464	471	472	473	477	478	479	478	478	479	480	480	480	478	0	6 00	484	11 13	461	23
13				483	483	483	483	484	484	484	483	477	476	471	467	472	476	471	473	473	476	477	478	478	478	479	480	478	0	6 20	488	11 24	466	22
14	✓			482	482	482	482	483	483	483	484	483	483	483	483	488	488	484	483	483	478	478	478	479	480	481	482	482	0	12 40	489	17 53	477	12
15				482	483	483	483	484	484	484	485	484	482	478	481	483	479	479	483	483	481	482	482	480	481	481	481	482	0	5 00	488	10 40	477	11
16	✓	✓		481	482	482	485	485	485	486	484	481	476	468	468	468	465	468	(470)	473	478	480	481	481	483	484	484	478	0	7 00	488	13 17	464	24
17	✓	✓		485	485	485	485	487	488	489	494	496	490	479	470	465	463	466	470	473	477	480	482	483	483	484	484	481	0	8 45	498	13 15	461	37
18				484	484	484	485	485	486	487	485	485	490	495	494	494	493	(475)	472	471	472	476	477	477	479	481	482	483	0	11 12	495	16 03	469	26
19	✓			482	482	485	485	485	486	488	488	485	488	488	491	494	490	483	481	481	480	480	481	481	482	482	483	485	0	12 38	494	17 52	477	17
20	✓	✓		482	482	482	482	482	484	486	486	486	488	493	499	498	498	497	490	486	481	482	482	484	484	484	484	487	0	11 45	501	17 30	480	21
21				483	484	484	485	485	486	487	487	486	486	489	490	486	481	481	477	475	476	479	480	481	482	482	482	483	0	10 54	491	16 50	472	19
22	✓			482	482	483	484	485	487	487	486	482	480	481	487	487	481	480	476	473	475	479	480	480	481	481	481	482	0	11 43	489	16 30	472	17
23				481	481	482	484	484	485	482	484	481	472	467	468	470	470	472	473	472	476	477	481	476	477	480	482	477	0	5 45	486	11 03	465	21
24			✓	482	482	484	485	486	486	485	480	470	465	464	470	471	470	473	476	478	478	480	480	481	481	481	481	478	0	4 30	487	10 12	461	26
25				480	481	482	483	485	484	482	480	474	472	478	482	486	487	489	488	481	480	480	480	481	482	482	483	482	0	14 45	491	9 06	470	21
26				482	484	484	485	486	486	482	479	474	475	480	491	496	494	490	485	481	481	482	482	482	482	482	482	484	0	12 19	497	8 53	472	25
27			✓	482	482	484	485	486	486	486	486	484	481	487	491	491	484	481	(478)	476	480	481	482	482	482	484	484	484	1	12 08	493	16 21	475	18
28				484	485	485	486	487	489	486	481	480	475	480	485	486	489	485	480	479	480	482	483	483	483	483	483	483	0	13 25	490	9 36	475	15
29				485	484	485	485	486	486	485	480	475	470	470	474	465	457	457	462	465	471	475	478	479	479	480	481	476	0	5 23	489	13 28	453	36
30	✓			481	483	484	485	486	486	486	485	485	487	491	492	487	486	486	485	485	482	482	481	484	484	484	485	485	0	11 14	492	17 52	480	12
31																																		
MEANS ALL DAYS				482	483	483	484	485	486	486	484	482	479	479	480	482	481	479	478	477	478	480	480	481	481	482	482	481						20
MEANS TEN DAYS ✻				482	482	483	484	484	485	486	486	484	483	481	482	483	482	480	478	478	478	479	480	481	482	482	483	482						20
MEANS FIVE DAYS † (G. M. T.)				482	483	483	484	484	485	486	486	484	482	478	479	479	477	478	477	477	478	481 479	481 481	481	482	482	483	481						
MEANS FIVE DAYS ‡ (G. M. T.)				483	483	484	485	486	487	487	484	480	477	478	480	480	478	478	477	479	481	482	482	481	482	482	483	482						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 139

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1924

OCTOBER 1924

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			485	485	486	488	488	489	489	482	476	471	470	470	469	470	475	478	480	481	483	484	484	482	482	482	480	0	6 15	492	12 38	466	26
2	✓			484	484	485	486	486	489	488	486	484	479	481	481	480	470	464	464	471	476	478	481	481	481	482	483	480	0	6 00	491	14 39	461	30
3				483	483	485	486	486	488	491	492	488	482	484	487	486	480	473	470	470	476	480	480	481	482	483	483	482	0	7 40	493	15 56	469	24
4				484	484	484	486	485	486	485	486	486	484	483	482	476	471	469	469	475	476	478	480	481	483	483	483	481	1	8 14	488	14 38	468	20
5				482	483	483	485	486	488	493	498	501	502	503	501	498	490	482	474	472	474	479	481	481	481	482	482	487	0	10 39	504	16 09	472	32
6				481	481	483	484	485	484	483	484	481	479	481	483	485	483	481	476	478	480	480	481	482	483	483	483	482	0	12 36	486	15 23	475	11
7				481	481	482	484	483	484	487	491	492	492	492	493	494	494	487	477	475	478	479	480	480	480	480	481	484	1	13 00	497	16 02	474	23
8				479	480	480	482	483	483	483	479	472	470	474	478	478	478	478	474	475	478	478	481	483	483	482	483	479	0	4 20	484	9 15	469	15
9	✓			482	483	483	484	484	484	486	491	490	493	497	497	495	498	499	489	479	478	479	480	480	481	481	481	486	0	14 30	501	17 48	477	24
10	✓			481	482	482	483	483	483	481	480	478	478	477	477	476	480	481	474	473	477	480	480	482	483	483	483	480	0	14 06	484	16 09	471	13
11	✓	✓		483	483	484	484	485	485	484	480	477	474	478	478	480	480	482	478	478	478	480	480	481	481	482	482	481	0	5 00	486	9 32	473	13
12	✓	✓		482	482	483	485	486	486	485	481	476	476	476	472	470	471	470	468	470	475	478	479	479	480	480	480	478	0	5 18	488	15 30	467	21
13	✓			481	481	481	481	482	482	484	484	484	486	490	489	485	478	475	471	471	475	478	480	480	480	481	481	481	0	10 20	491	16 00	470	21
14	✓	✓		481	481	481	482	482	482	481	479	476	475	472	469	470	471	470	470	470	473	477	477	479	480	480	481	477	0	5 17	484	11 39	467	17
15				480	480	480	482	483	486	486	483	480	484	489	484	481	481	475	(479	481)	482	484	484	484	483	484	483	482	1	10 41	491	14 52	470	21
16				482	481	482	483	484	486	490	490	490	491	493	489	485	484	480	(484)	477	481	483	483	483	483	484	484	485	1	10 48	494	16 18	474	20
17				485	484	484	486	487	487	488	490	492	497	501	501	495	488	492	482	481	482	485	486	484	483	485	485	488	1	11 12	506	16 06	480	26
18			✓	486	486	486	486	486	486	486	486	486	493	494	488	483	482	479	474	474	480	483	482	482	481	481	481	484	1	10 12	497	16 06	471	16
19	✓			483	483	483	484	486	486	486	487	489	497	500	499	497	497	490	481	477	481	483	485	486	485	485	485	487	0	10 17	501	16 12	475	26
20				485	485	485	486	486	486	483	481	481	481	481	479	479	478	478	476	474	479	483	483	483	483	483	483	482	0	5 03	487	16 18	473	14
21				481	483	484	486	486	485	482	483	486	487	484	486	486	488	483	479	479	481	481	482	482	482	483	482	483	1	13 06	490	15 36	477	13
22				483	483	484	486	486	486	484	483	481	481	482	481	479	477	481	478	477	480	481	481	481	481	481	481	482	0	4 40	487	13 24	475	12
23			✓	480	480	479	483	484	483	486	488	491	495	502	506	500	500	497	491	483	481	481	481	481	483	481	481	487	2	11 30	509	2 27	475	34
24			✓	481	483	483	487	487	484	487	489	493	493	490	490	483	481	479	475	474	476	481	481	481	481	481	481	483	2	9 33	494	16 30	473	21
25			✓	479	480	481	482	482	482	481	480	480	480	482	481	481	478	473	469	469	474	480	481	481	481	481	481	479	1	10 24	484	15 53	467	17
26				480	480	481	482	482	481	479	480	481	483	486	492	492	492	491	485	480	482	484	483	483	483	484	482	484	0	11 34	494	6 30	478	16
27			✓	482	482	483	485	485	483	485	490	494	495	495	494	487	487	485	(480	481)	482	482	482	482	484	484	484	486	0	9 59	498	[15 —	476	22
28				484	484	485	485	486	484	483	485	488	492	493	493	488	483	483	483	483	484	484	485	485	485	485	486	486	0	11 13	494	13 54	482	12
29	✓	✓		486	486	486	487	487	487	486	485	486	489	490	489	487	487	488	488	487	487	488	488	487	486	486	486	487	0	10 08	491	8 33	484	7
30		✓		486	486	486	487	487	487	486	485	485	484	484	483	483	486	484	483	485	485	486	486	485	485	484	484	485	0	5 16	488	12 22	482	6
31				483	484	485	486	488	487	486	484	483	483	483	482	482	482	483	480	479	482	484	482	484	483	483	483	483	0	5 05	488	19 17	478	10
MEANS ALL DAYS				482	483	483	485	485	485	485	485	485	485	487	486	484	483	481	477	477	479	481	482	482	482	483	483	483						19
MEANS TEN DAYS ✱				483	483	483	484	485	485	485	484	482	482	483	482	481	480	479	476	476	478	480	481	482	482	482	482	482						20
MEANS FIVE DAYS † (G. M. T.)				484	484	484	485	485	485	484	482	480	480	480	478	478	479	479	477	478	480	482 482	483 482	483	483	483	484	482						
MEANS FIVE DAYS ‡ (G. M. T.)				482	482	482	485	485	484	485	487	489	491	493	492	487	486	483	478	476	479	481	482	482	482	482	482	484						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 140

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1924

NOVEMBER 1924

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	483	483	485	486	487	486	484	484	489	493	496	490	483	480	478	476	477	479	482	484	484	484	483	483	484	0	10	29 497	15	27 475	22
2				484	484	485	486	487	485	484	486	490	492	493	493	486	482	477	473	475	480	482	483	483	484	485	484	484	0	11	12 496	15	30 472	24
3	✓			485	485	485	486	486	484	484	483	485	488	493	495	493	490	488	483	483	484	485	485	485	484	484	484	486	0	11	36 496	15	24 482	14
4				484	484	486	486	486	485	482	482	485	491	494	496	492	489	486	480	480	480	482	483	483	483	484	484	485	0	11	12 498	16	12 479	19
5	✓	✓		484	484	485	485	486	485	484	484	488	491	492	492	490	486	482	479	476	478	482	484	484	484	484	484	485	0	11	12 493	16	30 475	18
6				483	482	483	484	485	483	480	481	486	491	496	500	503	500	496	491	486	483	485	483	483	483	482	482	487	0	12	20 504	7	04 479	25
7				482	483	483	484	486	484	484	486	488	487	486	483	482	480	476	475	477	479	483	484	484	484	484	485	483	0	9	44 489	15	03 474	15
8	✓	✓		484	484	484	484	485	483	485	486	490	492	492	492	492	490	489	485	482	483	485	485	485	485	485	486	486	0	9	13 493	16	51 482	11
9				486	486	486	486	485	485	486	487	490	492	493	492	488	485	478	475	475	478	480	482	482	482	483	483	484	1	11	06 494	15	16 474	20
10				483	483	484	485	485	484	480	481	486	492	492	490	489	486	481	476	474	478	481	482	482	482	483	483	483	0	10	09 493	16	18 473	20
11	✓			482	482	482	484	484	484	484	488	493	499	501	497	490	488	484	480	481	483	484	484	484	484	484	483	486	0	10	42 502	15	30 479	23
12				482	483	484	484	485	484	481	480	482	482	483	481	479	481	484	484	484	484	483	482	482	482	482	482	482	0	5	00 486	12	43 478	8
13			✓	482	482	482	483	484	487	491	492	492	494	493	492	487	478	475	473	474	477	478	479	482	482	483	483	484	1	9	18 495	15	06 471	24
14				483	483	483	483	484	483	479	476	474	475	476	477	479	478	475	(468)	468	476	481	483	483	483	483	483	479	0	5	13 485	[16	07 466	19]
15				483	483	483	483	485	484	484	484	482	478	479	478	472	469	471	(473)	476	479	483	485	485	485	484	485	481	0	5	14 486	13	18 467	19
16	✓			484	484	484	485	485	484	483	480	483	483	484	491	485	480	482	474	474	477	483	484	485	484	484	484	483	0	11	24 492	16	30 473	19
17	✓	✓		483	483	483	484	485	486	490	490	494	494	490	489	485	486	(487)	487	484	486	487	486	485	484	484	484	486	0	9	16 496	1	07 481	15
18	✓	✓		484	484	484	485	487	487	487	489	490	500	506	501	490	488	491	489	482	481	484	486	486	486	486	486	488	0	10	33 507	17	00 480	27
19			✓	486	486	485	485	486	486	482	480	481	482	490	489	482	479	479	477	477	480	483	483	482	482	483	484	483	2	10	36 492	16	12 476	16
20				485	485	486	488	489	488	486	489	489	491	493	494	488	481	478	477	476	477	480	482	482	483	483	483	485	0	11	34 495	16	06 475	20
21				483	483	484	485	486	485	487	493	495	494	490	491	484	477	477	477	478	481	483	485	484	484	485	486	485	0	9	12 496	14	33 475	21
22				487	486	487	487	488	484	482	486	489	493	501	511	504	497	489	482	482	484	487	488	488	489	489	489	490	0	11	24 514	6	11 481	33
23	✓			489	489	489	490	490	487	487	487	489	489	492	490	485	482	481	478	480	484	488	490	488	488	488	488	487	0	11	43 493	15	30 477	16
24			✓	488	487	488	489	490	487	484	487	490	493	493	496	499	501	499	495	491	491	489	491	491	490	490	491	491	2	13	24 504	6	25 483	21
25	✓			491	491	491	491	490	485	482	483	489	486	487	486	482	484	485	483	479	479	482	487	488	489	488	490	486	0	1	10 492	17	00 478	14
26			✓	489	490	491	491	490	487	485	490	496	495	495	491	488	484	484	482	481	484	487	486	485	484	485	485	488	1	9	07 498	15	51 479	19
27				485	485	487	488	488	485	490	494	492	494	496	496	489	486	484	484	488	487	489	487	487	486	485	485	488	1	7	34 497	15	30 483	14
28				484	484	485	487	486	485	486	489	490	484	486	488	489	488	489	490	488	486	487	486	485	485	486	486	487	1	10	56 495	1	34 483	12
29				484	485	485	485	487	486	487	492	497	497	495	492	486	483	479	478	480	485	488	489	489	488	488	486	487	0	8	56 498	15	03 477	21
30	✓	✓		487	487	487	488	489	486	483	483	485	485	486	485	482	479	479	480	482	486	487	489	489	488	487	487	485	0	19	00 490	13	57 477	13
31																																		
MEANS ALL DAYS				485	485	485	486	487	485	484	486	488	490	491	491	487	485	483	480	480	482	484	485	485	485	485	485	485						19
MEANS TEN DAYS ✻				485	485	485	486	487	485	485	485	489	491	492	492	487	485	485	482	480	482	485	486	486	486	485	486	486						17
MEANS FIVE DAYS † (G. M. T.)				484	484	485	485	486	485	486	486	489	492	493	492	488	486	486	484	481	483	485 485	485 486	485	485	485	485	486						
MEANS FIVE DAYS ‡ (G. M. T.)				486	486	486	487	487	487	485	487	490	491	493	492	488	484	483	481	480	482	484	485	486	486	485	486	486						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 141

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1924

DECEMBER 1924

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				487	487	487	488	488	486	488	495	496	490	487	486	482	476	470	472	476	482	486	487	486	486	486	487	485	0	8 11	498	14 40	468	30
2				487	487	487	488	489	488	489	494	497	495	494	487	480	479	481	485	489	488	488	488	488	487	487	487	488	0	8 30	498	12 53	477	21
3				488	489	489	490	490	488	486	486	489	494	493	486	485	484	483	483	481	482	485	486	486	486	487	486	487	0	9 48	495	16 38	480	15
4	✓			486	485	486	487	488	487	489	490	493	505	511	508	503	496	493	490	488	487	489	490	490	490	489	489	492	0	10 34	512	2 02	484	28
5	✓	✓		489	488	489	489	489	487	488	493	499	500	503	501	493	489	484	481	482	484	488	490	490	489	489	489	490	0	11 04	505	15 42	480	25
6	✓	✓		490	489	489	490	490	487	489	495	499	499	497	496	493	486	476	473	475	482	487	489	489	488	488	488	488	0	8 41	500	15 30	472	28
7				488	488	489	489	489	487	489	495	496	501	510	511	502	491	488	489	493	489	489	490	489	489	489	488	492	0	11 05	514	5 48	486	28
8				488	489	489	490	490	488	490	497	498	499	500	500	498	495	493	486	485	485	488	489	489	489	488	489	491	0	10 57	501	17 18	484	17
9				489	490	491	492	492	489	489	490	491	489	491	493	496	496	495	488	483	485	488	489	489	490	490	490	490	0	13 59	497	16 22	482	15
10				490	490	491	491	491	489	492	497	497	493	492	494	497	496	495	495	491	490	491	491	490	490	491	491	492	0	8 03	499	5 54	488	11
11				491	491	492	492	491	490	495	502	507	505	503	498	491	490	486	482	483	484	486	487	486	488	486	485	491	0	8 46	507	15 27	481	26
12			✓	486	487	488	489	490	491	492	494	495	500	500	494	485	480	485	487	485	485	485	486	486	487	488	486	489	1	9 39	504	13 46	478	26
13			✓	485	486	488	488	488	486	485	490	495	495	500	498	478	470	474	479	484	487	488	488	488	488	488	488	487	0	11 04	502	13 02	469	33
14	✓			487	488	488	488	488	488	490	494	493	493	496	495	488	486	481	474	471	475	481	484	485	485	485	485	486	0	10 57	498	16 09	469	29
15				485	486	487	488	489	488	491	496	497	495	501	500	491	484	481	477	477	479	482	485	487	487	487	487	488	0	10 56	503	16 29	476	27
16	✓	✓		487	488	488	488	488	487	491	498	503	506	505	503	493	482	478	(475)	478	484	488	492	491	492	492	492	490	0	9 52	507	15 40	474	33
17				490	490	491	491	491	491	494	499	506	505	501	502	496	488	486	481	478	478	484	490	489	490	488	488	491	1	9 01	508	17 04	475	33
18				488	488	488	490	491	489	492	498	499	501	506	502	489	488	492	489	484	484	487	492	492	492	492	492	492	0	10 36	507	16 12	483	24
19				491	490	491	491	491	491	492	498	505	511	517	519	514	509	499	489	484	484	486	489	489	489	489	489	496	1	11 14	520	17 12	482	38
20			✓	490	491	491	492	494	493	488	487	489	492	497	492	485	482	(480)	480	482	485	487	493	492	493	491	490	489	1	10 55	501	15 42	479	22
21			✓	489	490	492	493	493	493	496	510	510	505	504	500	497	499	491	486	487	489	489	493	493	494	493	493	495	2	8 03	512	15 39	485	27
22				493	493	493	493	493	493	496	502	507	516	518	515	511	509	506	497	494	493	493	495	494	496	495	493	500	2	10 03	520	17 30	492	28
23			✓	493	493	494	496	496	493	493	494	496	500	500	499	493	489	484	479	479	482	486	489	489	490	490	491	491	1	10 58	501	15 48	478	23
24				490	491	493	493	494	493	493	490	491	498	503	503	503	496	499	496	497	496	496	496	495	495	495	494	495	0	12 04	504	8 02	489	15
25	✓			493	494	495	495	495	493	493	493	493	486	485	485	478	481	495	496	495	493	493	494	492	492	492	493	491	0	15 00	497	12 28	476	21
26				493	493	493	493	493	491	490	494	495	500	506	510	500	482	481	486	489	496	497	496	496	496	496	494	494	0	11 48	514	14 12	480	34
27	✓			494	495	495	496	496	494	491	491	491	494	497	497	491	482	483	489	497	497	496	496	494	493	493	492	493	0	10 33	499	13 50	481	18
28	✓			493	493	493	495	496	494	494	494	496	496	495	482	466	464	465	478	489	486	487	492	492	493	493	492	488	0	8 36	497	13 08	463	34
29	✓	✓		493	492	493	494	494	491	493	503	516	522	519	506	499	501	501	497	495	494	494	496	495	495	496	495	499	0	10 00	523	5 36	489	34
30	✓	✓		496	496	497	497	498	497	494	497	506	514	517	505	494	496	504	506	501	503	501	502	500	498	497	497	501	0	10 25	519	12 42	492	27
31				497	497	497	498	499	497	497	503	507	514	516	507	511	514	504	508	504	503	503	501	500	500	499	498	503	0	10 10	519	5 57	496	23
MEANS ALL DAYS				490	490	491	491	492	490	491	495	498	500	502	499	493	489	488	486	486	487	489	491	491	491	491	490	492						26
MEANS TEN DAYS ✲				491	491	491	492	492	490	491	495	499	502	502	498	490	486	486	486	487	488	490	492	492	492	491	491	492						28
MEANS FIVE DAYS † (G. M. T.)				491	491	491	492	492	490	491	497	505	508	508	502	494	491	489	486	486	489	488 492	491 494	491	491	491	490	493						
MEANS FIVE DAYS ‡ (G. M. T.)				489	489	491	492	492	491	491	495	497	498	500	497	488	484	483	482	483	486	487	490	489	491	490	489	490						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 142

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1925 — JANUARY 1925

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				595	593	593	594	595	595	593	602	606	622	642	648	644	615	596	586	581	587	593	595	596	596	595	593	602	0	11 59	653	16 00	576	77
2	✓			592	592	592	593	593	592	585	592	610	624	643	643	638	632	617	601	592	591	593	596	597	597	598	595	604	0	10 59	648	6 30	583	65
3				591	586	583	582	583	581	571	576	578	586	600	605	606	596	581	583	595	603	602	601	601	595	592	591	590	0	12 15	610	6 57	568	42
4		✓		586	586	585	586	588	587	584	590	600	611	621	624	620	621	617	603	603	604	603	603	602	597	595	595	600	0	11 15	628	6 30	581	47
5				591	583	581	585	584	584	582	593	611	624	632	628	623	615	605	595	596	599	595	598	598	597	595	593	599	0	11 13	634	6 30	581	53
6	✓			591	587	587	585	586	585	581	581	587	604	622	623	622	610	599	592	597	603	603	599	600	594	593	592	597	0	12 03	624	6 54	578	46
7				591	585	585	584	585	581	572	583	598	611	616	611	603	606	605	594	585	592	595	598	596	595	593	591	594	0	10 27	618	6 30	570	48
8	✓			588	587	587	587	587	584	581	582	587	596	614	624	632	623	613	598	583	586	592	595	595	593	593	592	596	0	12 36	633	6 36	578	55
9				588	587	585	585	585	581	571	574	590	613	636	643	628	612	611	601	591	593	595	597	596	594	593	592	598	0	11 26	645	6 42	569	76
10	✓	✓		589	586	584	585	586	583	575	576	583	593	615	632	633	614	585	572	575	585	591	593	593	592	592	591	592	0	12 07	635	15 45	569	66
11	✓	✓		591	587	586	585	587	587	585	595	606	621	631	622	613	613	622	607	592	593	593	594	593	592	592	591	599	0	10 22	632	6 06	583	49
12	✓			590	589	586	585	584	582	575	572	583	595	616	622	620	604	585	572	572	583	591	594	595	597	594	591	591	0	12 06	623	7 12	570	53
13				587	585	583	586	583	582	583	596	611	622	636	633	612	611	613	605	601	601	596	601	598	597	596	594	600	0	10 30	641	5 07	579	62
14	✓			593	592	589	589	590	590	588	593	603	608	620	623	607	592	592	585	584	591	593	596	598	600	599	593	596	0	11 09	625	16 11	582	43
15				592	592	592	591	592	594	587	591	611	621	610	607	597	600	601	603	606	606	601	595	594	593	593	593	598	0	9 28	623	6 34	584	39
16			✓	592	591	590	591	592	591	586	Δ									Δ	596	596	599	601	605	604	602		1					
17			✓	594	592	595	595	594	592	578	592	606	619	627	625	621	602	(601)	596	(593)	597	595	602	602	601	601	601	601	1	10 48	631	6 30	575	56
18				600	595	592	593	592	592	585	590	600	607	620	633	628	603	582	568	580	589	595	601	603	603	603	602	598	1	11 36	640	15 14	562	78
19			✓	598	595	592	592	592	586	581	588	603	620	622	623	630	631	627	630	631	633	628	622	622	608	604	600	611	1	18 00	636	6 30	578	58
20			✓	594	586	582	584	588	589	592	603	621	630	637	633	625	605	588	580	585	602	603	602	603	603	601	595	601	0	10 33	647	2 08	579	68
21				593	588	588	589	589	590	591	600	607	615	628	637	644	644	640	631	611	605	603	601	600	598	593	591	607	0	12 13	652	2 00	586	66
22				589	590	589	587	588	585	582	584	583	590	612	605	591	581	578	577	580	585	593	597	596	594	593	592	589	0	10 54	616	15 37	575	41
23			✓	591	588	584	584	587	584	576	582	590	602	613	613	616	610	608	621	611	603	603	604	600	594	593	591	598	0	15 06	626	6 48	574	52
24				590	588	584	586	588	590	586	594	599	598	603	620	611	604	586	580	578	585	593	595	593	593	593	592	593	0	11 21	623	16 30	576	47
25	✓	✓		590	589	589	591	591	592	593	594	595	593	600	612	624	630	626	617	601	593	591	593	593	592	592	592	599	0	13 31	631	1 40	587	44
26				591	588	587	585	584	581	575	580	593	618	633	642	638	624	603	593	584	587	590	596	597	597	594	593	598	0	11 43	644	6 58	572	72
27				591	591	590	591	591	589	581	581	592	603	617	617	611	607	609	606	594	593	593	596	598	596	594	593	597	0	11 58	622	7 03	576	46
28	✓	✓		592	590	589	589	586	583	579	579	593	603	625	630	617	591	580	570	567	576	588	593	594	594	593	592	591	0	11 00	635	16 24	562	73
29				591	589	587	586	586	586	582	585	592	610	627	635	633	615	601	591	591	593	594	597	597	597	594	593	598	0	11 24	640	6 36	580	60
30				590	585	583	583	583	582	579	586	601	615	632	643	637	622	609	578	566	573	590	595	595	594	592	592	596	0	11 48	645	16 45	564	81
31	✓			590	588	586	585	584	583	581	586	604	617	635	642	640	623	603	585	580	582	588	594	593	592	592	591	598	0	11 58	645	6 24	579	66
MEANS ALL DAYS a)				591	589	587	587	588	586	582	587	598	610	623	627	622	612	603	594	590	594	596	598	598	596	595	593	598						57 a)
MEANS TEN DAYS *				591	589	588	587	587	586	582	585	595	605	622	627	625	613	602	590	584	588	592	595	595	594	594	592	596						56
MEANS FIVE DAYS † (G. M. T.)				590	588	587	587	588	586	583	587	595	604	618	624	621	614	606	594	588	590	595 593	596 595	596	594	593	592	596						
MEANS FOUR DAYS b) ‡ (G. M. T.)				594	590	588	589	590	588	582	591	605	618	625	624	623	612	606	607	605	609	607	605	606	602	601	599	603						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day January 16 b) Omitting incomplete Greenwich day January 16

TABLE 143

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1925

FEBRUARY 1925

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			588	587	583	583	582	581	578	578	592	604	612	613	613	608	603	604	600	585	587	593	594	593	594	593	594	0	11 54	617	7 22	572	45
2	✓			591	588	585	585	585	583	573	569	578	594	611	622	627	626	614	595	583	584	587	593	594	593	593	592	594	0	13 06	631	7 25	565	66
3	✓	✓		592	590	590	586	587	584	581	588	600	608	611	613	613	611	607	593	580	575	580	591	593	592	592	592	594	0	12 02	616	17 18	572	44
4	✓	✓		590	587	586	585	586	583	576	587	602	618	628	631	622	612	605	600	593	591	592	595	595	594	593	592	598	0	11 43	632	6 30	574	58
5				591	589	586	585	584	581	569	568	585	603	614	628	630	615	597	591	585	582	587	593	594	594	594	592	593	0	12 06	632	6 56	562	70
6				591	587	586	587	585	582	573	575	593	603	617	619	610	601	587	582	584	583	586	593	593	592	591	588	591	0	11 09	622	7 00	569	53
7				588	585	587	586	585	581	566	567	582	601	618	619	613	603	593	577	575	581	591	593	593	592	592	587	590	0	10 45	623	7 07	563	60
8			✓	586	588	586	585	584	581	573	574	582	592	601	603	609	607	604	606	611	612	613	616	617	613	611	605	598	1	20 30	619	6 45	572	47
9			✓	601	592	583	584	592	584	572	576	591	595	600	603	611	601	589	591	583	585	587	593	594	595	598	598	592	1	12 22	613	6 21	567	46
10				597	594	592	592	591	588	575	583	604	627	638	641	641	633	618	611	604	593	592	593	595	594	593	593	603	0	12 12	644	6 32	573	71
11				593	592	592	592	592	587	572	565	578	592	605	617	616	606	592	583	583	584	591	593	593	593	593	595	592	0	11 54	620	7 22	562	58
12				593	592	591	592	590	586	578	583	603	616	623	617	603	593	590	581	578	578	583	592	593	593	593	593	593	0	10 45	627	6 36	575	52
13				593	592	592	592	591	586	568	571	587	599	614	622	622	614	611	596	584	581	584	591	593	593	594	597	594	0	12 39	625	6 45	563	62
14				594	593	593	592	592	587	575	577	589	605	616	635	630	615	604	584	582	585	589	593	593	594	594	593	596	0	11 51	637	6 48	573	64
15	✓			593	593	593	592	592	588	575	576	590	607	616	617	605	594	584	578	574	581	589	595	595	593	593	593	592	0	11 15	621	6 54	571	50
16				593	592	591	590	590	588	580	583	595	604	611	612	602	598	(592)	586	(588)	591	592	594	594	595	595	596	594	0	11 24	614	6 42	575	39
17				597	592	591	592	591	587	578	577	592	603	611	610	603	601	601	598	596	595	594	596	598	596	596	593	595	0	11 55	613	7 00	573	40
18				592	591	589	587	587	584	578	583	597	606	608	601	597	596	593	587	583	587	592	592	593	593	594	594	592	0	10 35	610	6 49	574	36
19				592	592	592	591	591	587	581	580	587	601	601	601	600	593	595	591	586	592	596	600	603	604	603	599	594	1	12 12	604	7 25	576	28
20				595	591	587	584	582	579	578	593	616	633	641	633	618	610	604	595	591	588	590	592	593	592	592	592	599	0	10 11	646	6 27	573	73
21	✓	✓		592	590	589	587	585	582	577	586	608	632	635	623	603	591	583	576	574	579	586	592	592	592	592	591	593	0	9 51	636	16 06	573	63
22	✓	✓		591	590	587	586	583	581	573	578	593	602	602	602	592	582	575	572	572	575	583	591	592	593	592	587	586	0	11 24	604	15 51	570	34
23	✓	✓		586	586	585	585	584	582	576	576	583	589	597	603	602	591	584	582	576	573	581	592	592	593	592	592	587	0	11 54	604	17 30	572	32
24			✓	591	589	587	587	586	585	580	580	587	601	608	608	602	593	586	586	585	582	588	601	599	595	595	593	591	0	11 08	613	6 48	575	38
25			✓	588	587	586	585	589	587	575	574	587	601	612	617	616	614	613	603	593	590	592	594	593	593	593	593	595	0	11 09	619	6 54	570	49
26	✓			588	586	587	588	588	588	583	582	591	595	593	591	589	586	587	580	576	585	591	592	592	592	592	591	588	0	9 54	597	16 09	573	24
27	✓			590	589	589	588	588	587	582	580	586	592	594	599	603	605	605	601	591	587	587	592	592	589	587	587	591	0	14 15	608	6 45	578	30
28			✓	589	589	589	589	589	586	580	576	585	593	601	604	610	615	614	602	591	585	586	589	592	593	593	591	593	0	13 57	619	7 24	572	47
29																																		
30																																		
31																																		
MEANS ALL DAYS				592	590	588	588	588	584	576	578	592	604	612	614	611	604	598	590	586	585	589	594	595	594	594	593	593						49
MEANS TEN DAYS ✱				590	589	587	586	586	584	577	580	592	604	610	611	607	601	595	588	582	582	586	593	593	592	592	591	592						45
MEANS FIVE DAYS † (G. M. T.)				590	589	587	586	585	582	577	583	597	610	615	614	606	597	591	585	579	579	585 584	592 592	593	592	592	591	592						
MEANS FIVE DAYS ‡ (G. M. T.)				591	589	586	586	588	585	576	576	586	596	604	607	610	606	601	598	593	591	593	599	599	596	595	593	594						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⌀ = NO RECORD

TABLE 144

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1925 — MARCH 1925

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1			✓	587	586	584	586	587	583	573	571	572	567	583	591	589	588	593	596	597	594	593	594	593	593	592	591	587	0	16 57	598	9 21	562	36
2				591	589	587	589	591	591	584	582	588	592	597	601	602	606	609	599	593	589	590	591	590	590	590	589	592	0	14 03	612	2 36	586	26
3	✓	✓		590	588	587	586	587	588	579	576	583	590	593	593	594	601	601	593	593	593	592	593	592	592	591	591	590	0	14 08	603	7 34	574	29
4				588	587	587	586	587	586	577	579	590	593	593	595	594	598	602	602	593	588	587	591	592	589	586	588	590	0	14 45	604	6 42	572	32
5			✓	589	588	591	593	593	593	582	577	582	586	600	608	608	607	608	604	601	594	591	593	593	593	592	591	594	0	12 13	612	6 56	575	37
6				587	587	587	591	591	590	582	583	591	593	593	590	583	583	595	601	601	597	596	596	595	594	592	591	591	0	15 07	602	6 44	578	24
7	✓			590	585	585	586	588	588	585	585	590	590	590	591	588	591	598	603	598	592	586	590	590	590	590	590	590	0	16 24	604	7 30	584	20
8	✓	✓		588	586	586	585	584	584	591	594	600	602	603	603	603	598	593	587	584	581	584	588	588	588	588	587	591	0	11 40	605	17 45	580	25
9			✓	587	583	587	584	584	583	583	583	583	587	590	604	607	603	596	592	590	589	591	596	596	595	593	593	591	1	11 57	614	7 21	575	39
10			✓	592	589	588	590	592	594	591	590	594	596	602	596	593	590	583	589	587	587	593	595	594	594	593	592	592	0	10 27	604	14 36	581	23
11				591	591	592	592	593	593	587	590	595	607	613	615	608	601	593	587	587	589	591	591	592	592	592	591	595	0	11 10	619	6 49	583	36
12				590	592	592	592	592	588	582	588	603	613	623	625	623	623	615	606	597	592	588	589	591	591	591	592	599	0	11 15	629	6 30	580	49
13	✓			592	591	590	590	590	591	585	585	592	603	614	621	617	613	605	596	593	589	585	589	591	592	593	591	596	0	11 36	622	6 27	583	39
14				589	590	590	592	592	593	587	586	588	596	606	614	614	613	611	(596)	587	583	583	588	588	589	589	588	594	0	11 36	616	17 30	581	35
15			✓	588	589	587	585	591	588	579	571	582	593	608	623	625	630	622	602	591	588	588	592	592	593	592	588	595	0	13 24	632	7 54	566	66
16				588	591	592	592	592	592	584	577	583	594	604	609	620	626	622	(614)	602	592	591	592	592	592	592	592	597	0	13 31	628	7 52	575	53
17	✓			589	584	584	588	591	592	588	592	601	607	613	614	617	622	618	612	598	592	592	592	591	590	591	589	598	0	13 24	624	2 15	582	42
18	✓	✓		587	586	586	587	588	584	576	572	575	584	600	611	613	613	613	610	602	593	590	590	590	587	586	586	592	0	13 09	614	7 48	571	43
19				585	585	585	585	586	589	587	582	578	580	581	579	582	584	586	585	585	585	585	587	588	590	590	590	585	0	22 15	592	8 24	575	17
20				585	585	586	588	590	592	592	592	590	589	587	590	595	596	598	594	592	588	589	592	593	592	591	587	591	1	13 55	601	10 04	583	18
21				586	584	584	585	585	591	589	585	584	583	582	583	590	586	583	578	579	578	583	589	590	589	589	585	585	0	5 40	593	17 00	576	17
22	✓			585	585	585	585	586	588	586	582	581	581	583	592	601	598	590	586	585	585	584	586	586	586	587	584	587	0	13 02	603	8 44	577	26
23				583	582	576	583	582	580	573	570	573	574	577	584	594	602	603	(597)	593	591	590	587	585	585	585	585	585	0	14 14	604	7 24	567	37
24				584	583	583	584	585	586	591	598	602	602	603	612	613	611	602	588	582	581	582	586	586	586	585	584	592	0	12 00	618	16 45	580	38
25	✓			585	585	586	587	588	586	582	582	582	588	596	603	606	603	595	592	587	585	585	587	587	587	586	588	589	0	12 42	608	6 36	580	28
26				587	587	587	589	591	591	591	599	603	613	627	638	638	624	605	590	581	579	584	587	588	588	587	587	598	0	11 47	644	17 10	574	70
27				586	586	584	584	585	587	583	580	582	593	605	617	622	613	605	594	594	593	593	592	590	588	587	586	593	0	12 33	624	8 23	578	46
28	✓	✓		586	585	585	586	587	586	583	583	588	593	595	603	605	605	601	593	584	584	584	584	584	584	585	587	589	0	12 51	606	7 15	582	24
29				586	585	585	585	585	586	584	585	590	594	603	607	613	616	613	602	594	593	591	588	588	589	588	587	593	0	13 46	619	6 42	583	36
30				587	587	585	584	585	585	592	593	593	591	592	596	606	612	612	603	594	590	584	587	587	587	586	587	592	0	14 00	614	3 36	583	31
31	✓	✓		586	585	584	585	588	589	584	582	587	594	602	614	626	630	622	608	594	585	584	584	584	585	585	585	594	0	13 40	632	18 15	582	50
MEANS ALL DAYS				588	587	586	587	588	588	584	584	588	593	599	604	606	606	603	597	592	588	588	590	590	590	589	589	592						35
MEANS TEN DAYS ✲				588	586	586	586	588	588	584	583	588	593	599	604	607	607	604	598	592	588	587	588	588	588	588	588	592						33
MEANS FIVE DAYS † (G. M. T.)				587	586	586	586	587	586	583	581	587	593	599	605	608	609	606	598	591	587	589 587	590 588	590	589	589	588	592						
MEANS FIVE DAYS ‡ (G. M. T.)				589	587	587	588	589	588	582	578	583	586	597	604	604	604	600	597	593	590	591	590	591	591	590	589	591						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 145

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1925

APRIL 1925

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				586	584	584	586	587	589	586	578	575	573	581	593	596	597	584	580	576	582	583	582	582	583	584	584	584	0	13 40	601	9 08	571	30
2				584	584	586	587	592	587	583	582	584	587	593	603	603	602	594	591	583	583	588	591	592	593	591	588	590	1	11 42	613	7 10	577	36
3			✓	585	584	584	585	584	583	583	582	592	593	596	599	600	601	597	583	583	583	587	591	591	590	590	588	589	1	14 01	604	7 45	579	25
4	✓	✓		588	588	588	588	588	587	582	570	560	557	565	573	585	597	595	590	587	588	587	584	584	585	585	588	583	0	14 00	601	9 09	553	48
5				586	587	588	585	591	591	594	592	592	593	588	587	593	597	599	601	598	593	590	588	587	585	585	585	591	0	14 57	602	10 49	584	18
6				585	585	584	587	588	588	584	575	574	573	576	584	587	586	591	595	597	591	585	586	584	587	584	583	585	0	16 10	602	9 18	571	31
7				583	588	591	591	593	593	593	585	583	580	583	590	591	592	593	596	596	593	590	587	587	585	586	587	589	0	15 15	601	9 34	578	23
8				587	587	591	589	593	593	591	591	593	597	602	598	595	592	587	583	587	591	592	590	590	590	589	587	591	0	10 33	604	15 30	582	22
9			✓	585	585	586	590	589	592	592	591	593	595	596	597	595	594	590	585	583	583	587	591	593	593	583	584	590	0	10 58	601	16 45	581	20
10			✓	590	588	586	588	592	591	587	590	593	599	603	604	603	600	594	594	594	594	594	592	592	592	591	590	593	0	11 20	610	6 16	583	27
11				586	586	586	588	591	591	583	580	577	585	596	600	600	593	590	590	590	588	589	588	589	590	590	587	589	0	11 15	602	8 19	575	27
12				590	586	587	585	589	592	593	596	597	602	603	602	593	583	583	590	590	591	592	590	590	589	588	587	591	0	11 00	605	14 13	581	24
13	✓			587	587	586	588	588	586	589	590	591	592	592	594	596	593	589	591	591	589	586	586	588	590	590	588	589	0	12 09	600	6 00	584	16
14	✓			588	587	586	590	590	585	583	584	592	603	614	623	631	630	623	(604)	587	583	583	581	582	583	584	584	595	0	12 39	633	19 20	580	53
15			✓	584	584	585	586	585	583	575	571	562	556	564	582	600	610	610	603	598	592	583	585	585	588	588	584	585	0	13 20	613	9 33	554	59
16				584	583	583	583	583	583	582	586	592	601	604	612	615	609	597	588	580	575	580	584	586	588	585	584	589	0	12 30	620	17 30	573	47
17	✓	✓		584	584	584	583	584	584	587	586	582	581	578	584	592	592	592	(593)	592	588	586	586	586	588	589	588	586	0	13 10	593	10 44	574	19
18	✓			588	586	586	585	588	593	599	597	593	592	585	582	585	584	585	585	583	585	584	586	586	588	588	586	587	0	6 42	601	11 34	580	21
19	✓	✓		586	584	584	586	590	594	598	600	599	597	604	612	611	611	610	600	588	584	585	584	584	583	583	583	593	0	11 36	613	23 30	582	31
20			✓	583	583	588	588	587	586	597	595	594	597	596	601	593	601	603	601	597	593	591	587	587	584	585	585	592	0	6 50	607	0 30	581	26
21				585	586	586	590	593	596	599	594	588	581	584	592	596	606	616	613	600	590	587	585	584	586	585	585	592	0	14 49	619	9 19	579	40
22	✓			583	584	586	589	592	597	603	603	602	602	600	600	604	605	609	603	592	589	584	584	585	585	586	585	594	0	14 00	613	0 33	582	31
23	✓			584	582	583	585	588	593	597	606	609	611	614	623	623	612	602	(592)	585	585	586	583	583	583	583	584	595	0	12 00	629	1 30	580	49
24	✓	✓		584	584	586	587	588	593	592	593	592	593	604	609	603	604	604	599	588	586	584	583	583	583	585	584	591	0	11 06	616	20 12	582	34
25	✓	✓		585	584	585	585	587	588	592	592	586	583	585	591	592	591	590	583	577	578	581	581	582	582	583	583	585	0	6 50	594	16 43	574	20
26				583	584	584	586	587	588	591	592	592	591	587	604	606	602	602	594	582	581	581	582	582	583	583	583	589	0	11 54	610	17 06	577	33
27				584	584	584	583	584	586	590	593	592	585	590	598	592	586	593	592	589	587	585	583	583	583	583	584	587	0	11 54	603	19 45	582	21
28				584	584	584	586	589	591	593	592	593	601	604	607	597	587	586	587	586	585	584	583	584	586	587	585	589	0	11 21	611	19 10	581	30
29				584	583	584	585	589	592	593	602	610	614	613	607	601	601	601	597	591	584	584	582	582	582	583	583	593	0	10 06	617	19 30	581	36
30				583	584	584	585	587	589	589	591	583	585	585	591	596	599	600	601	595	591	585	585	585	585	585	585	589	0	14 45	602	8 30	580	22
31																																		
MEANS ALL DAYS				585	585	586	587	588	589	590	589	589	590	593	598	599	599	597	593	589	587	586	586	586	586	586	585	590						31
MEANS TEN DAYS ✲				586	585	585	587	588	590	592	592	591	591	594	599	602	602	600	594	587	586	585	584	584	585	586	585	590						32
MEANS FIVE DAYS † (G. M. T.)				585	585	585	586	587	589	590	588	584	582	587	594	597	598	598	593	586	585	584 585 585 584		586	586	586	585	588						
MEANS FIVE DAYS ‡ (G. M. T.)				585	585	586	587	587	587	587	586	587	588	591	597	598	601	599	593	591	589	588	587	588	588	586	585	589						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 146

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1925 — MAY 1925

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓			583	583	585	585	587	587	585	582	575	573	576	585	596	600	602	603	593	586	584	584	583	583	583	583	586	0	15	07	609	9	27	571	38
2		✓		584	▽					▽	591	581	576	571	568	573	582	589	587	585	583	582	581	582	582	582	584		0	⌈7	00	592	11	18	566	26⌋
3				583	583	583	585	587	588	586	578	573	571	573	583	582	584	591	592	585	580	574	575	578	581	582	583	582	0	15	00	595	9	49	568	27
4			✓	583	577	583	593	601	602	595	603	595	591	582	578	592	598	599	596	592	588	586	586	589	586	590	590	591	1	6	59	618	11	18	565	53
5			✓	590	590	590	591	592	594	594	595	594	585	584	591	596	595	596	598	595	587	585	583	585	585	585	586	590	0	16	03	601	10	06	579	22
6				587	585	586	585	590	593	596	592	582	568	565	570	575	582	592	593	592	586	584	584	585	586	586	587	585	0	6	43	601	10	40	562	39
7				587	587	587	588	592	594	593	588	580	565	555	555	559	565	575	583	587	587	588	590	590	592	589	588	582	0	5	54	597	10	59	552	45
8				585	584	585	588	590	594	605	608	605	595	591	598	592	598	603	597	589	585	584	584	585	587	588	587	592	0	14	18	606	18	36	583	23
9				585	584	583	583	586	593	598	601	600	594	593	593	596	602	608	605	594	588	585	585	585	586	587	587	592	0	15	45	613	2	51	581	32
10	✓			587	587	587	588	589	592	596	596	591	583	583	583	591	597	598	596	592	590	588	(588)	588	589	589	586	590	0	14	27	601	11	15	581	20
11	✓			588	586	586	586	586	587	593	600	601	599	597	601	602	602	600	595	590	588	586	586	587	587	587	587	592	0	8	20	603	3	30	585	18
12	✓	✓		587	587	587	588	588	590	589	590	590	586	586	591	599	610	607	597	589	587	584	583	584	586	587	587	590	0	13	54	614	18	40	582	32
13	✓			587	587	589	590	590	588	587	587	589	595	604	611	611	605	603	595	582	580	582	582	582	583	584	586	591	0	11	39	614	16	40	578	36
14	✓	✓		586	586	587	587	586	588	592	592	586	578	577	577	578	589	601	(593)	579	575	576	578	580	581	583	583	584	0	14	36	604	17	21	573	31
15	✓	✓		584	584	585	585	585	585	581	577	568	563	569	576	584	593	(598)	593	584	580	578	578	579	580	582	583	581	0	⌈14	32	600⌋	9	20	561	⌈39⌋
16	✓	✓		584	584	584	586	588	588	586	582	576	569	566	573	580	595	604	603	593	582	579	579	579	579	579	582	583	0	14	30	606	10	45	564	42
17				582	583	583	585	587	586	588	585	573	563	565	578	590	595	600	601	591	580	579	579	579	580	580	580	583	0	15	27	605	9	48	561	44
18				580	582	583	585	588	593	600	600	588	575	568	576	591	601	598	596	591	587	591	591	591	585	585	582	588	0	13	30	604	10	15	565	39
19				582	582	581	582	585	586	597	609	615	604	603	599	591	583	588	588	583	582	583	583	584	585	(586	583)	589	0	8	39	621	2	54	578	43
20				⌈583⌋	▽					▽	602	597	592	592	590	592	595	598	592	582	578	578	578	581	583	583	584		0	⌈7	06	603	17	14	577	26⌋
21	✓			584	584	585	586	588	591	593	593	588	583	582	585	588	592	592	587	578	573	573	576	577	580	581	580	584	0	6	40	594	17	36	572	22
22				579	580	582	583	585	588	595	601	589	578	572	573	576	583	591	592	585	579	577	577	578	580	581	582	583	0	7	24	603	10	30	569	34
23	✓			582	582	583	584	587	592	604	607	596	585	583	582	577	581	591	590	582	578	578	577	578	579	580	580	585	0	7	02	613	18	12	575	38
24				581	583	584	586	588	590	597	593	583	575	573	574	574	583	594	594	585	584	578	581	580	583	583	583	584	0	6	36	600	10	30	572	28
25				578	580	581	581	582	583	592	601	596	596	596	593	592	601	597	589	581	578	578	580	580	581	581	581	587	0	13	50	604	18	30	576	28
26				580	581	580	581	583	586	596	603	597	592	586	586	591	585	593	585	576	572	573	575	575	576	579	580	584	0	7	27	604	17	42	570	34
27				580	581	581	581	583	585	591	585	579	575	573	579	581	587	589	592	587	581	583	594	593	589	578	582	584	1	19	34	598	10	09	571	27
28			✓	585	583	583	583	585	590	593	594	595	593	591	591	593	596	602	595	585	582	581	582	582	583	583	582	588	0	14	12	603	17	30	578	25
29				582	582	583	583	583	584	587	591	584	575	573	573	573	574	581	580	573	571	572	575	581	579	583	583	579	0	7	12	593	17	27	565	28
30			✓	584	584	586	587	592	594	604	604	589	573	567	566	569	569	570	565	568	573	573	577	583	583	583	583	580	0	6	45	613	11	15	561	52
31			✓	575	581	582	584	591	594	603	603	593	583	573	575	583	583	593	592	583	575	574	576	576	580	579	580	584	1	7	04	611	10	30	565	46
MEANS ALL DAYS a)				583	584	584	586	588	590	594	595	589	582	580	583	586	591	595	593	586	582	581	582	583	583	584	584	586								a) 34
MEANS TEN DAYS *				585	585	586	586	587	589	591	591	596	581	582	586	591	596	600	595	586	582	581	581	582	583	584	584	587								32
MEANS FOUR DAYS (G. M. T.) b) †				585	585	586	586	587	588	587	585	580	574	574	579	585	597	602	596	586	581	580 579	581 580	582	583	584	584	585								
MEANS FIVE DAYS (G. M. T.) ‡				583	583	585	588	592	595	598	600	593	585	579	580	587	588	592	589	585	581	580	581	585	584	583	584	587								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days May 2 and 20

b) Omitting incomplete Greenwich day May 2

TABLE 147

DECLINATION

JUNE 1925

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				581	581	584	589	594	600	611	623	612	594	584	574	577	577	581	584	580	578	579	580	580	582	581	580	587	0	7 36	627	11 56	569	58
2				579	579	579	582	589	591	599	600	589	574	574	570	576	583	588	594	589	579	579	585	584	584	585	580	584	0	7 03	606	11 27	569	37
3				574	574	584	589	591	595	605	612	599	587	577	575	575	577	585	583	581	579	578	579	581	582	581	581	584	0	7 12	617	1 17	568	49
4				579	579	579	584	589	593	604	607	602	589	579	581	579	583	589	587	579	576	576	578	578	579	579	583	585	0	7 13	609	18 30	575	34
5				585	584	585	588	589	593	599	604	594	585	579	578	585	590	593	593	592	583	579	579	579	581	583	584	587	0	7 10	609	11 00	577	32
6				584	584	584	584	583	589	599	601	595	592	592	581	578	582	585	590	585	581	580	580	579	581	581	583	586	0	7 12	607	12 12	575	32
7	✓			582	582	583	584	587	590	599	607	602	588	579	573	571	580	589	591	583	579	579	579	579	580	581	583	585	0	7 52	611	12 00	568	43
8	✓	✓		583	583	585	585	585	585	589	599	599	589	579	577	577	581	588	587	581	579	581	581	581	582	582	582	584	0	8 00	603	11 03	575	28
9	✓	✓		582	582	583	585	587	590	597	606	605	595	585	583	587	591	591	589	581	578	577	577	577	579	581	581	586	0	8 00	608	18 45	575	33
10	✓			582	582	584	587	587	589	597	599	597	593	587	581	590	595	590	580	574	573	574	577	577	579	581	582	585	0	7 00	601	16 52	569	32
11	✓			582	582	582	583	584	587	588	594	592	589	591	591	597	597	593	583	577	574	577	577	580	581	582	586	585	0	13 00	598	18 10	570	28
12				587	587	587	589	587	589	590	599	604	601	603	603	599	599	593	581	575	575	575	575	581	581	581	582	588	0	8 45	607	16 45	573	34
13			✓	582	582	582	583	583	580	581	583	586	585	597	593	595	595	589	584	573	577	587	582	583	585	585	583	585	2	11 10	611	17 00	569	42
14				579	574	581	586	589	591	595	599	597	595	593	590	591	595	589	584	582	581	579	580	581	583	583	584	587	0	7 30	600	1 10	571	29
15				585	585	587	587	588	588	589	595	590	579	577	579	579	579	581	578	573	573	574	577	579	580	583	584	582	0	6 56	598	17 06	567	31
16				584	584	585	586	587	589	599	609	613	614	603	594	585	589	592	587	577	576	577	577	585	585	585	585	589	0	9 40	619	17 00	572	47
17				589	588	587	591	591	593	607	617	613	605	601	594	595	599	599	587	577	575	577	579	580	580	581	583	591	0	7 45	619	17 20	573	46
18				583	583	583	581	585	591	594	601	595	579	573	569	569	572	577	(579)	579	578	578	579	582	582	582	581	581	0	7 27	606	12 00	567	39
19	✓	✓		581	581	581	583	586	589	595	600	599	595	599	593	589	591	589	(589)	583	581	579	578	579	579	579	581	587	0	7 50	602	18 30	577	25
20	✓	✓		581	581	582	584	586	587	593	595	590	584	579	581	585	587	584	583	579	577	577	579	579	579	579	579	583	0	7 00	599	17 30	575	24
21	✓	✓		579	580	581	583	585	587	591	591	584	577	577	581	582	580	579	580	580	577	577	578	577	577	578	581	581	0	7 10	593	10 00	574	19
22	✓			579	579	581	584	585	588	595	599	590	579	579	580	579	578	575	575	577	575	574	574	574	574	577	579	580	0	7 20	601	18 00	572	29
23			✓	575	575	579	582	583	581	593	601	598	595	585	589	594	587	588	580	572	573	574	577	579	583	585	580	584	1	7 10	607	17 00	569	38
24			✓	580	581	577	575	581	589	598	607	603	595	596	590	587	581	570	574	576	575	574	580	583	583	579	579	584	2	9 03	615	14 20	565	50
25			✓	585	584	583	583	585	591	600	608	611	604	599	597	595	593	591	581	575	569	571	577	579	583	581	581	588	1	8 03	613	18 10	568	45
26	✓			581	580	580	579	579	584	591	597	597	592	591	587	598	594	594	588	582	581	579	577	578	581	584	584	586	0	12 45	601	19 45	575	26
27				581	581	581	581	583	587	593	599	598	597	584	575	582	580	579	572	567	563	575	579	569	577	585	582	581	1	7 09	612	17 24	560	52
28			✓	575	575	582	585	589	595	607	614	612	599	596	593	587	591	592	583	578	595	576	575	577	584	583	583	589	1	8 19	619	17 18	571	48
29				580	581	581	584	588	592	601	605	608	598	594	594	594	593	593	596	585	578	576	△						0	[8 12	611	18 30	573	38]
30																						△	578	578	580	581	582							
31																																		
MEANS ALL DAYS a)				581	581	583	584	586	589	596	602	599	591	587	584	585	587	587	584	579	577	577	578	579	581	582	582	585						37 a)
MEANS TEN DAYS ✲				581	581	582	584	585	588	594	599	596	588	585	583	586	587	587	584	580	577	577	578	578	579	580	582	584						29
MEANS FIVE DAYS † (G. M. T.)				581	581	582	584	586	588	593	598	595	588	584	583	584	586	586	586	581	578	579 579 578	579 579	580	580	581	581	584						
MEANS FIVE DAYS ‡ (G. M. T.)				579	579	581	582	584	587	596	603	602	596	595	592	592	589	586	580	575	578	576	577	577	580	581	580	585						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days June 29 and 30

TABLE 148

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1925 — JULY 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				580	580	581	583	586	590	592	583	585	573	573	578	583	589	593	599	588	580	576	578	576	577	578	579	582	0	15 18	600	9 16	571	29
2				576	579	581	583	584	590	596	595	586	579	570	563	567	578	577	579	580	577	576	579	583	582	583	582	580	0	6 20	599	11 16	560	39
3				581	580	581	583	584	581	597	Δ											Δ	577	579	580	580	580							
4	✓			580	580	581	581	583	586	594	602	597	588	577	572	570	580	580	581	574	571	574	576	577	577	577	578	581	0	7 15	603	12 18	568	35
5				581	579	578	581	584	589	596	605	603	594	588	587	584	584	590	588	589	573	573	576	578	578	578	578	585	0	7 24	607	17 33	570	37
6				580	578	580	582	583	584	587	594	593	587	578	579	584	584	584	584	582	577	577	577	578	578	578	578	582	0	7 29	596	18 27	575	21
7	✓			578	578	578	579	581	585	592	594	591	586	577	573	581	591	594	592	579	571	574	574	575	576	576	578	581	0	7 30	597	17 30	567	30
8				579	579	580	581	583	584	593	604	597	589	583	579	584	590	587	587	582	577	577	577	577	577	578	578	583	0	7 30	606	17 58	575	31
9				578	579	579	583	587	592	600	601	590	577	566	567	573	574	571	571	572	572	571	572	573	576	578	579	578	0	7 22	604	10 21	562	42
10				577	578	580	581	583	585	590	588	584	579	574	572	569	569	578	578	581	579	583	583	582	583	580	576	580	0	7 02	592	12 45	565	27
11				577	577	576	572	576	583	586	596	595	587	574	572	575	573	578	583	584	582	581	579	579	579	579	580	580	0	7 51	601	11 21	569	32
12	✓			580	580	580	580	582	585	595	605	603	594	591	585	585	587	586	590	591	585	582	579	579	579	579	579	586	0	8 06	609	20 00	577	32
13	✓	✓		579	579	579	579	581	586	595	596	589	587	586	586	586	592	592	587	586	573	575	576	577	578	578	579	583	0	6 46	601	17 19	571	30
14				579	579	580	582	584	587	595	600	591	578	567	565	571	571	574	Δ		Δ	[569]	573	573	579	577	577		1	7 18	603	[10 50	564	39]
15			✓	577	583	585	588	593	598	602	606	588	573	571	572	567	574	(588	585)	577	569	569	572	575	576	577	578	581	1	7 27	609	12 16	565	44
16	✓	✓		579	580	580	581	584	585	588	588	580	570	569	577	583	586	591	588	577	569	571	574	574	576	577	577	579	0	7 03	592	9 45	565	27
17	✓	✓		577	579	579	581	583	584	590	592	584	570	564	560	566	578	590	588	582	574	574	575	576	576	576	576	578	0	7 18	595	11 24	558	37
18	✓	✓		577	577	579	580	582	586	595	598	587	575	561	551	558	566	577	580	572	566	567	575	576	577	577	577	576	0	7 09	601	11 19	550	51
19				577	578	579	580	582	583	587	594	585	572	567	571	587	595	598	595	589	583	579	577	578	579	578	577	582	0	14 12	601	10 58	565	36
20	✓	✓		577	577	577	578	581	583	591	589	575	561	562	560	569	579	582	578	572	571	573	573	573	575	577	576	575	0	6 51	595	11 36	557	38
21				575	574	574	575	578	581	586	584	576	566	573	571	576	574	580	583	584	577	576	575	576	579	580	579	577	1	6 21	589	9 21	560	29
22			✓	577	577	576	576	573	579	592	602	599	587	587	595	600	606	601	594	585	575	573	573	573	577	577	576	585	0	13 36	609	19 15	572	37
23				575	575	575	576	578	581	588	586	582	576	568	566	570	573	579	583	577	576	574	573	574	575	576	576	576	0	6 45	592	11 03	563	29
24	✓			576	575	576	577	577	581	585	593	593	589	588	594	599	603	599	590	581	573	573	573	573	574	574	575	583	0	13 48	606	19 45	571	35
25				575	575	576	576	579	583	594	608	609	603	592	586	589	586	580	571	563	561	564	572	573	575	573	579	581	0	7 27	610	17 00	559	51
26			✓	574	575	584	576	578	582	584	594	598	593	575	572	573	578	581	578	572	564	565	566	573	575	576	576	578	0	8 01	601	18 57	561	40
27			✓	580	577	573	574	578	582	592	598	596	583	583	585	588	581	580	575	562	564	573	572	574	575	575	579	579	0	7 55	603	16 48	557	46
28			✓	579	577	575	580	580	586	594	604	600	590	592	588	590	589	586	580	567	559	567	570	573	575	577	577	581	0	8 01	609	17 18	554	55
29				576	577	577	578	579	579	584	593	587	580	583	581	574	570	579	580	572	567	569	573	573	574	576	576	577	0	7 24	597	17 15	566	31
30	✓			577	577	576	578	579	580	585	585	582	578	575	576	579	575	574	579	569	563	569	571	573	574	574	575	576	0	6 33	588	17 15	560	28
31				576	576	578	579	581	583	585	590	583	568	559	562	574	579	587	590	579	569	568	569	571	573	575	575	576	0	7 45	592	10 36	557	35
MEANS ALL DAYS a)				578	578	578	579	581	585	591	595	590	581	576	575	579	582	585	584	578	572	573	574	576	577	577	578	580						a) 36
MEANS TEN DAYS ✲				578	578	578	579	581	584	591	594	588	580	575	573	578	584	586	585	578	572	573	575	575	576	576	577	580						34
MEANS FIVE DAYS † (G. M. T.)				578	578	579	580	582	585	592	593	583	573	568	567	572	580	586	584	578	571	575 575 572 575		576	577	577	577	579						
MEANS FIVE DAYS ‡ (G. M. T.)				577	578	579	579	580	585	593	601	596	585	582	582	584	596	587	582	563	566	569	572	574	577	576	578	581						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days July 3 and 14

TABLE 149

DECLINATION

AUGUST 1925

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1925

DAY	✲	+	±+	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				576	577	579	579	581	585	597	600	584	565	562	569	570	575	578	573	565	566	570	572	574	576	577	576	576	0	7 03	603	10 15	557	46
2				576	576	577	581	582	586	592	594	589	580	574	575	586	593	589	583	580	572	570	572	575	576	576	576	580	0	14 00	596	18 15	569	27
3				576	577	578	580	582	588	594	598	596	593	590	582	571	576	580	575	570	566	571	571	572	576	577	577	580	0	8 57	599	17 16	559	40
4				577	578	580	582	586	587	587	588	579	575	560	555	560	568	577	585	582	577	574	572	573	573	575	576	576	0	7 19	596	11 07	550	46
5				576	576	579	582	584	587	592	598	598	598	598	597	591	581	593	591	577	573	573	571	572	573	576	576	584	0	9 16	6[illegible]0	19 49	570	30
6				577	576	578	579	581	583	582	571	561	550	547	548	557	568	585	592	586	580	575	576	576	577	578	577	573	0	16 03	593	9 42	544	49
7			✓	574	573	567	567	574	580	581	585	588	583	586	582	577	578	579	573	567	572	577	578	580	579	577	579	577	1	8 27	595	16 15	566	29
8			✓	581	582	583	582	586	589	600	613	605	593	586	586	582	581	582	579	575	567	573	573	575	577	579	578	584	0	7 24	616	17 42	562	54
9				579	580	579	579	574	571	580	588	592	592	592	593	594	579	574	577	574	571	571	574	573	575	577	577	580	0	12 21	597	5 51	566	31
10				574	572	575	579	580	580	586	589	586	582	587	598	602	595	588	587	577	573	573	573	574	574	576	576	582	0	12 25	605	1 20	569	36
11	✓	✓		576	576	576	577	579	582	591	590	580	576	570	571	573	576	585	586	583	575	571	572	573	574	576	577	578	0	6 45	594	10 54	567	27
12	✓	✓		577	577	577	579	581	582	584	583	575	565	557	560	572	584	590	582	579	576	571	569	573	574	574	575	576	0	14 12	591	10 28	555	36
13	✓	✓		575	575	576	578	582	586	593	592	584	581	575	576	582	594	593	583	574	569	569	570	572	574	574	574	579	0	13 30	597	17 24	567	30
14				575	576	574	575	579	580	580	580	577	573	570	(577)	585	597	585	573	563	564	567	569	572	574	575	575	576	0	13 30	598	16 42	562	36
15	✓	✓		576	576	576	577	578	581	590	593	582	573	574	575	583	589	589	(581)	574	569	567	568	572	574	575	575	578	0	7 12	596	18 18	565	31
16	✓			576	576	577	578	581	584	594	593	581	572	567	580	585	590	591	583	565	559	564	565	568	571	573	573	577	0	6 45	597	17 27	557	40
17				573	574	575	575	578	578	584	592	590	581	580	589	592	594	596	592	(585)	580	580	577	577	578	576	575	582	0	14 51	600	0 30	571	29
18			✓	573	573	576	579	579	581	586	588	575	566	560	567	583	588	595	591	580	574	577	581	584	578	577	576	579	1	14 39	602	10 08	553	49
19				576	575	573	570	577	583	596	596	580	562	552	548	557	561	567	573	578	575	576	575	575	576	576	576	573	0	7 01	601	11 22	546	55
20				[575]	▽						▽	596	592	583	580	583	594	600	597	586	572	573	574	574	574	573	573		0	[7 43	597]	17 39	560	[29]
21	✓			574	575	576	578	580	581	584	577	567	557	555	562	566	572	581	584	577	573	575	574	573	573	573	573	573	0	15 33	588	10 39	553	35
22			✓	573	572	571	573	576	581	589	587	577	578	573	567	572	563	570	568	569	567	572	579	590	593	584	578	576	1	7 01	592	13 48	559	33
23			✓	569	557	559	563	558	557	586	601	606	601	592	582	573	573	574	575	567	566	570	571	572	572	573	574	575	1	9 13	610	5 45	544	66
24				575	576	578	579	581	583	591	598	593	585	576	570	569	576	587	590	583	(578	579)	574	572	575	576	577	580	0	7 33	601	11 51	566	35
25				576	576	577	578	578	579	590	598	600	599	592	587	586	587	583	580	571	562	568	569	570	571	573	576	580	0	7 52	603	17 33	560	43
26				576	▽					▽	603	600	595	589	580	573	576	578	573	565	563	569	571	572	573	575	575		0	[7 30	606]	17 00	558	[48]
27	✓			576	576	576	577	579	580	585	591	583	576	573	569	566	573	586	588	578	568	569	571	572	573	573	573	576	0	7 48	592	12 18	564	28
28		✓		573	573	573	573	574	581	588	591	587	574	572	572	572	575	580	573	566	560	563	569	570	571	572	573	574	0	8 06	593	17 30	557	36
29	✓			573	573	574	574	575	576	581	580	575	560	558	561	573	587	588	586	577	569	568	571	570	574	576	575	574	0	13 59	592	10 00	556	36
30				575	575	576	578	581	586	587	588	581	▽									▽	572	572	572	572	572		0	7 03	592			
31	✓			571	572	573	574	577	582	587	587	582	574	574	574	575	583	586	583	575	570	575	576	576	575	574	572	577	0	7 02	590	17 27	567	23
MEANS ALL DAYS [a]				575	575	575	577	579	581	588	591	585	577	573	574	577	581	584	582	575	570	572	573	574	575	576	576	578						38 [a]
MEANS TEN DAYS ✲				575	575	575	576	579	582	588	588	580	571	568	570	575	582	587	583	575	569	569	570	572	573	574	574	576						32
MEANS FIVE DAYS + (G. M. T.)				575	575	576	577	579	582	589	590	582	574	570	571	576	584	587	581	575	570	570 568	571 570	573	574	575	575	577						
MEANS FIVE DAYS ±+ (G. M. T.)				574	571	571	573	575	578	588	595	590	584	579	577	577	577	580	577	572	569	574	577	579	580	578	576	578						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
+ = FIVE INTERNATIONAL QUIET DAYS
±+ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

[a] Twenty-eight days only, omitting incomplete days August 20, 26 and 30

TABLE 150

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1925

SEPTEMBER 1925

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	573	573	575	576	580	583	591	591	587	586	588	591	587	584	577	575	573	567	568	565	566	577	581	577	579	1	6 59	595	19 43	559	36
2				577	579	583	590	597	603	602	610	600	587	583	574	573	586	587	585	581	578	577	577	577	577	577	573	585	1	7 39	613	12 02	567	46
3				573	573	575	577	580	589	599	593	584	567	559	555	561	569	580	575	581	566	569	570	563	576	575	577	574	0	6 15	602	11 01	546	56
4				577	575	576	578	582	587	595	593	592	587	579	570	577	592	595	583	573	567	569	571	571	575	575	576	580	0	15 14	597	17 08	565	32
5				574	575	577	580	583	587	597	599	595	588	576	572	574	591	583	571	569	570	573	572	571	571	573	575	579	0	7 30	602	16 48	567	35
6				575	575	576	579	580	586	588	589	589	589	589	600	609	607	601	591	579	573	572	571	571	571	571	571	583	0	13 01	613	23 12	568	45
7				575	580	578	581	582	585	594	601	593	587	579	579	597	610	597	581	576	571	575	575	575	575	575	576	583	0	13 33	613	17 12	564	49
8	✓			573	575	575	577	581	585	587	586	581	573	570	567	577	599	599	581	568	561	567	569	573	573	573	574	577	0	14 10	604	17 36	559	45
9				575	576	577	579	583	585	582	575	568	561	552	557	573	585	594	583	573	569	577	575	573	573	574	575	575	0	14 21	597	10 20	547	50
10	✓	✓		575	576	577	579	581	586	587	583	577	571	563	559	577	598	604	597	585	570	569	570	573	573	573	573	578	0	14 27	606	11 33	557	49
11	✓	✓		575	576	577	579	583	586	589	585	575	569	567	567	585	599	603	593	577	563	566	569	569	571	571	571	578	0	14 07	606	17 39	559	47
12	✓	✓		573	573	574	575	578	579	577	566	546	537	542	563	599	613	598	585	573	565	567	569	570	572	573	573	572	0	13 12	617	9 22	535	82
13	✓			573	573	574	575	577	584	590	587	575	562	555	559	580	599	609	599	579	567	566	567	567	569	569	567	576	0	14 25	611	10 30	552	59
14			✓	566	565	566	560	564	577	585	583	583	577	582	577	587	605	599	587	589	587	597	597	593	591	581	573	582	1	13 40	617	3 33	556	61
15			✓	571	572	567	565	571	573	585	592	591	592	587	585	591	597	593	588	587	588	587	(584)	581	579	579	575	582	1	12 51	601	2 55	561	40
16				569	569	577	577	579	579	581	582	577	575	575	583	593	597	589	583	578	575	577	577	577	576	572	571	579	0	13 02	599	1 00	565	34
17				569	573	579	580	581	586	596	591	583	581	575	580	594	589	587	577	(573)	571	573	574	575	576	576	575	580	0	6 57	601	0 55	565	36
18				575	575	575	575	577	583	597	595	597	(595	591)	587	594	602	599	587	577	570	572	572	571	572	573	573	583	0	14 02	606	17 25	568	38
19	✓			573	573	573	576	579	581	584	581	581	581	576	576	575	580	575	569	568	571	573	573	575	575	573	573	576	0	6 22	586	16 01	567	19
20				571	570	573	578	579	585	585	583	585	591	596	604	616	616	597	587	585	579	573	573	573	571	563	561	583	0	13 04	621	22 17	556	65
21			✓	569	561	565	563	586	587	594	612	625	621	611	613	616	611	581	567	572	577	579	581	581	581	581	580	588	1	8 32	630	3 10	551	79
22				577	578	578	573	577	577	580	587	588	582	579	589	607	608	(598)	589	582	579	576	576	577	575	575	572	582	0	13 02	618	3 45	570	48
23				573	576	579	580	582	583	579	573	569	559	555	569	590	596	590	587	583	579	575	577	575	569	564	571	576	0	13 10	600	10 06	551	49
24			✓	575	569	573	582	585	585	583	598	603	601	585	586	591	600	603	595	583	580	577	579	579	577	579	581	585	1	8 39	611	2 00	566	45
25				583	583	583	583	583	583	585	588	591	585	581	584	601	610	605	592	582	574	575	575	576	576	577	577	585	0	13 09	613	18 00	573	40
26				577	577	577	578	579	576	567	560	557	559	563	586	618	627	620	606	589	577	572	573	573	575	576	577	581	0	13 33	631	8 40	553	78
27	✓			577	575	577	577	579	583	581	573	567	563	561	573	592	605	606	597	583	573	569	570	573	573	573	573	578	0	14 09	608	10 18	557	51
28	✓			573	573	575	575	577	583	590	589	589	583	579	582	591	590	587	582	577	571	571	571	573	572	571	571	579	0	13 01	597	18 00	568	29
29	✓	✓		571	573	575	577	580	583	587	583	574	559	544	550	566	577	579	581	577	568	566	571	571	571	571	569	572	0	6 18	589	10 45	542	47
30	✓	✓		571	571	572	575	579	584	583	578	571	556	547	554	570	580	582	577	573	567	566	569	570	571	570	570	571	0	6 00	586	10 30	545	41
31																																		
MEANS ALL DAYS				574	574	575	577	580	584	587	587	583	577	573	576	589	597	594	585	578	572	573	574	574	574	574	573	579						48
MEANS TEN DAYS ✱				573	574	575	576	579	583	586	581	574	565	560	565	581	594	594	586	576	568	568	570	571	572	572	571	576						48
MEANS FIVE DAYS (G. M. T.) †				573	574	575	577	580	584	585	579	569	558	553	559	579	593	593	587	577	567	570 567	571 570	572	572	572	572	574						
MEANS FIVE DAYS (G. M. T.) ‡				571	568	569	569	577	581	588	595	598	595	591	590	594	599	591	582	581	580	582	578	577	575	570	569	582						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 151

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1925

OCTOBER 1925

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				571	571	572	573	576	577	573	573	573	568	565	581	585	579	569	563	560	560	564	570	573	573	573	573	571	0	12 15	586	16 46	557	29
2		✓		575	569	572	574	576	576	576	▽										▽	[569]	572	572	573	573	575							
3	✓	✓		574	573	575	576	577	580	577	573	572	566	559	563	577	593	593	583	570	562	563	566	563	567	573	577	573	0	13 55	597	10 45	558	39
4				574	572	573	577	582	581	580	581	584	573	567	573	587	592	587	586	586	580	582	581	581	578	576	576	580	0	13 16	595	10 36	563	32
5	✓			574	572	573	576	577	578	583	590	588	586	590	597	604	603	595	585	579	572	567	572	574	574	570	571	581	0	12 39	607	18 18	564	43
6	✓			570	570	572	574	574	573	566	563	568	569	581	596	604	604	603	588	573	568	572	576	576	576	576	573	578	0	12 54	606	7 11	560	46
7	✓			570	570	570	570	573	573	572	572	570	564	565	579	591	592	584	577	569	568	569	574	573	573	573	574	574	0	13 12	594	9 51	560	34
8				573	575	575	577	577	573	566	569	573	581	595	609	612	610	607	596	577	572	582	585	581	582	577	572	583	0	12 21	615	6 55	564	51
9			✓	570	568	577	577	577	574	572	577	586	587	589	599	604	605	609	597	587	580	582	573	572	578	579	580	583	0	14 28	612	0 05	561	51
10	✓			577	573	574	573	573	572	573	573	576	581	590	605	612	611	606	595	579	572	572	574	574	571	573	574	581	0	13 06	616	22 30	569	47
11				573	576	572	572	568	565	558	559	560	557	581	597	592	606	605	599	583	580	580	581	580	577	576	575	578	0	13 48	610	9 18	552	58
12			✓	568	567	565	568	567	562	564	564	565	565	575	591	602	598	587	577	572	567	570	574	573	573	573	572	573	0	12 59	613	5 07	559	54
13				569	567	567	567	568	568	569	578	581	576	578	586	601	607	600	594	587	586	576	578	577	578	571	571	579	0	13 23	612	1 39	564	48
14	✓			572	565	571	570	571	570	570	576	580	581	588	595	606	615	605	589	577	575	572	574	573	572	571	571	580	0	13 42	620	1 30	564	56
15				570	568	568	567	572	575	573	576	573	572	567	581	595	594	587	580	573	570	576	576	574	574	571	573	575	0	12 55	602	10 40	564	38
16				568	568	568	572	574	574	577	583	583	582	599	608	608	611	614	(609)	597	587	578	579	576	572	571	568	584	0	14 21	615	1 36	565	50
17				567	565	566	566	568	566	569	569	565	566	580	595	607	610	607	(592)	580	574	571	572	572	572	572	571	577	0	13 17	611	8 55	560	51
18		✓		568	567	568	568	571	576	576	574	577	576	576	576	573	575	574	568	565	567	570	573	572	571	570	567	572	0	8 46	579	16 25	564	15
19				564	564	565	566	570	573	576	589	592	592	595	602	601	597	586	572	569	573	574	575	573	575	572	572	579	0	12 19	605	1 00	563	42
20				567	565	563	562	562	567	567	578	583	589	603	605	▽					▽	[575]	570	567	567	568	567					3 40	561	
21			✓	564	564	559	563	566	563	567	575	581	593	607	612	611	613	590	582	576	582	581	581	578	579	576	574	581	1	13 48	615	2 37	557	58
22				571	570	571	574	573	571	572	576	573	573	578	589	597	600	595	590	585	581	574	575	575	576	576	575	579	1	13 38	606	2 07	564	42
23			✓	569	565	561	560	563	559	553	555	565	586	606	613	624	618	614	605	588	578	572	585	588	588	583	586	583	1	12 52	627	7 00	547	80
24			✓	586	593	583	568	584	589	582	594	604	604	610	615	613	617	606	593	583	574	573	578	579	577	575	573	590	1	10 44	629	3 25	548	81
25	✓			573	569	569	568	569	569	564	574	582	592	596	600	600	594	592	584	576	572	573	575	575	575	573	570	578	0	11 54	603	6 25	563	40
26	✓			567	563	560	560	562	559	555	564	574	586	598	609	605	597	595	583	574	574	569	574	576	576	573	571	576	0	11 21	611	6 23	552	59
27				568	567	567	567	567	569	577	588	596	597	600	606	589	580	581	570	556	553	559	570	573	573	573	568	576	0	11 15	618	17 17	549	69
28				567	567	567	567	568	568	567	570	573	574	577	578	575	575	576	577	567	564	568	574	573	573	572	572	571	0	11 03	584	17 09	562	22
29	✓	✓		570	568	566	566	569	573	576	577	574	574	577	579	580	580	579	569	557	556	566	573	573	573	571	568	571	0	12 12	583	17 11	550	33
30	✓	✓		563	561	563	567	570	573	572	572	572	573	572	570	571	576	580	580	573	567	567	570	570	570	570	570	570	0	15 12	583	1 18	558	25
31				569	568	566	565	567	563	555	558	549	547	553	567	578	573	580	583	577	573	572	575	573	577	567	568	568	0	14 45	586	10 02	544	42
MEANS ALL DAYS a)				570	569	569	569	571	571	570	574	576	577	583	592	597	597	593	585	576	572	572	575	575	575	573	573	577						46 a)
MEANS TEN DAYS ✱				571	568	569	570	572	572	571	573	576	577	582	589	595	596	593	583	573	569	569	573	573	573	572	572	576						42
MEANS FOUR DAYS b) † (G. M. T.)				569	567	568	569	572	576	575	574	574	572	571	572	575	581	582	575	566	563	568 566	573 570	572	573	572	572	572						
MEANS FIVE DAYS ‡ (G. M. T.)				571	571	569	567	571	569	568	573	580	587	597	606	611	610	601	591	581	576	576	579	578	578	576	575	582						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days October 2 and 20

b) Omitting incomplete Greenwich day October 2

TABLE 152

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1925 — NOVEMBER 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	563	559	557	562	567	559	553	556	557	568	584	604	608	606	600	587	572	571	571	574	575	574	572	572	574	0	12 46	612	7 43	548	64
2			✓	569	568	568	573	576	572	560	554	553	562	572	580	586	577	577	578	575	569	569	577	577	577	576	576	572	0	12 50	603	7 56	551	52
3				573	573	570	573	573	563	556	557	560	573	587	598	597	597	595	580	569	566	568	573	573	573	573	573	575	0	11 33	602	6 33	553	49
4	✓			573	572	572	572	571	566	557	559	564	574	589	597	588	583	583	573	565	567	567	573	573	573	573	573	573	0	11 18	598	6 36	556	42
5	✓	✓		570	568	568	568	569	572	567	566	565	571	575	583	582	577	577	569	560	560	562	570	570	570	570	569	570	0	11 45	585	17 00	558	27
6				567	565	565	Δ			Δ	569	574	586	593	599	602	600	594	581	568	567	566	570	572	572	572	571		0	11 50	603	[2 27	564	39]
7				Δ						Δ	565	571	575	584	589	593	587	587	578	576	576	570	572	576	570	568	567		0	12 30	594	[7 05	564	30]
8				568	566	564	564	567	567	563	555	566	572	583	594	599	590	587	581	577	573	573	583	587	589	586	568	576	1	12 36	601	7 00	562	39
9			✓	563	558	557	560	566	563	559	567	580	599	599	609	616	609	597	589	583	580	583	588	587	581	578	573	581	1	12 31	619	2 21	555	64
10			✓	569	560	563	558	562	557	557	566	576	583	590	600	603	604	598	589	577	570	581	581	581	579	577	574	577	0	13 39	608	6 00	551	57
11				570	567	565	565	558	547	546	554	567	577	583	587	589	583	581	570	567	568	572	574	576	573	572	569	570	0	12 27	594	6 05	543	51
12				567	563	563	563	562	560	563	567	570	576	590	598	598	592	587	579	563	559	567	570	570	571	569	567	572	0	11 51	602	7 10	556	46
13				567	562	559	560	557	557	550	553	565	576	593	613	612	599	592	577	571	568	570	575	574	573	572	569	574	0	12 12	619	6 38	548	71
14			✓	565	562	559	560	565	559	552	556	566	571	596	597	573	583	594	588	578	573	575	578	576	573	573	572	573	1	11 22	618	6 38	550	68
15				570	567	567	567	566	560	558	566	577	591	597	600	595	586	582	579	574	573	571	574	573	572	572	567	575	0	10 28	604	6 28	556	48
16	✓			564	565	566	569	570	563	556	567	577	584	589	582	575	566	(566)	566	567	570	572	574	573	572	570	566	570	0	10 21	592	6 20	553	39
17				563	562	563	565	566	560	551	562	573	586	592	597	594	584	(578)	574	573	572	568	572	571	571	569	568	572	0	11 45	601	6 21	547	54
18	✓			563	565	565	568	568	563	557	565	573	582	591	596	589	583	583	(579)	569	563	567	573	569	569	570	570	572	0	11 42	600	6 36	555	45
19	✓			567	566	566	567	568	562	554	562	571	583	597	614	612	597	593	581	573	567	566	571	571	573	571	567	576	0	11 42	620	6 29	553	67
20				565	561	559	561	561	552	547	557	578	593	591	583	584	575	571	563	560	560	563	569	571	571	570	567	568	0	9 14	594	6 21	545	49
21	✓	✓		566	566	566	566	565	557	548	557	568	579	583	583	582	573	565	553	553	557	562	570	569	569	567	567	566	0	12 02	587	6 27	546	41
22		✓		567	564	564	564	565	559	552	554	562	573	584	595	599	593	586	576	569	565	565	570	572	569	568	567	571	0	12 21	600	6 21	550	50
23				568	565	563	566	566	563	556	559	577	583	582	583	578	573	570	564	563	560	561	568	574	573	573	571	569	0	9 30	587	6 18	552	35
24				567	566	565	563	563	556	538	539	549	559	567	583	580	573	574	568	560	556	560	567	568	568	568	567	564	1	10 56	598	6 56	532	66
25				563	560	560	560	562	556	545	553	566	575	574	583	580	577	567	560	552	553	563	569	569	569	569	567	565	0	11 20	586	6 27	542	44
26				567	565	562	563	563	555	549	560	576	581	584	587	590	580	577	571	563	565	566	570	571	571	569	568	570	0	12 30	593	6 05	547	46
27	✓	✓		566	563	563	563	561	556	557	572	585	593	598	599	594	592	583	566	555	558	562	567	572	573	573	569	572	0	11 27	602	6 00	552	50
28	✓	✓		563	559	561	561	561	551	544	560	585	600	609	620	619	597	580	569	560	552	557	563	564	564	568	569	572	0	12 28	627	6 11	540	87
29	✓			569	568	567	567	567	559	556	566	579	586	586	588	589	582	575	562	549	547	555	560	564	568	571	571	569	0	12 12	590	17 07	543	47
30	✓			569	563	563	563	563	556	557	575	587	606	623	628	617	598	577	561	553	551	555	563	564	565	568	568	575	0	11 18	631	17 33	550	81
31																																		
MEANS ALL DAYS a)				567	564	564	565	565	560	554	560	570	581	589	596	594	587	582	573	566	564	567	572	573	572	572	569	572						a) 53
MEANS TEN DAYS ✲				567	566	566	566	566	560	555	565	575	586	594	599	595	585	578	568	560	559	562	568	569	570	570	569	572						53
MEANS FIVE DAYS † (G. M. T.)				566	564	564	564	564	559	554	562	573	583	590	596	595	586	578	567	559	558	564 562	570 568	571	571	570	569	571						
MEANS FIVE DAYS ‡ (G. M. T.)				566	561	561	563	567	562	556	560	566	577	588	598	597	596	593	586	577	573	576	579	579	579	575	570	575						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-eight days only, omitting incomplete days November 6 and 7

TABLE 153

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1925

DECEMBER 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				567	567	566	567	567	562	553	558	571	584	593	603	605	593	578	564	556	555	558	565	565	565	565	565	570	0	12	18	6	12	59
2	✓			565	565	564	563	562	554	545	551	571	581	583	583	577	568	564	565	551	553	557	564	567	569	571	570	565	0	9	51	6	32	47
3	✓	✓		568	566	565	564	563	559	551	559	573	582	583	591	585	570	565	563	558	554	557	565	569	571	569	567	567	0	11	36	6	27	55
4				563	559	554	553	553	553	538	543	553	570	584	595	593	587	573	564	553	555	561	569	573	570	567	567	565	0	11	46	6	33	68
5	✓			563	561	559	559	559	553	541	546	559	575	589	597	590	591	597	590	577	571	572	578	577	573	573	563	571	0	11	36	6	33	62
6			✓	561	563	553	557	555	555	549	567	581	591	606	580	581	578	567	554	551	555	563	573	573	573	571	565	568	1	10	16	6	08	74
7			✓	563	559	551	556	559	557	553	563	581	597	617	623	613	605	590	573	571	565	565	571	573	573	571	568	576	0	11	14	6	24	79
8				563	558	556	555	558	553	547	557	566	573	580	587	587	577	573	573	567	565	563	570	569	573	570	567	567	0	11	33	6	18	45
9				567	564	562	561	560	559	554	565	582	589	593	608	603	591	580	571	565	565	569	571	571	571	570	568	573	0	11	46	6	32	63
10				566	563	561	561	561	555	555	579	603	610	619	617	596	587	572	557	563	563	566	571	571	569	567	565	575	0	10	58	5	54	75
11				563	561	558	557	556	550	549	563	583	597	601	602	593	573	553	553	553	553	553	564	564	565	565	563	566	0	11	27	5	51	56
12	✓			562	559	560	559	558	549	546	563	586	603	609	611	602	598	584	568	557	553	555	564	565	569	567	565	571	0	11	21	6	00	76
13	✓			563	562	561	560	560	553	547	564	581	595	603	605	601	590	580	574	558	549	557	566	565	567	568	567	571	0	11	19	6	12	70
14	✓	✓		564	563	563	563	562	551	535	551	578	598	600	593	589	578	565	553	546	546	554	566	571	571	569	567	566	0	10	12	6	30	73
15				563	565	561	560	557	548	540	551	(575	587)	606	616	606	596	579	571	(568)	566	570	575	575	575	576	571	573	0	12	02	6	14	86
16				569	565	561	562	561	546	534	548	565	584	609	625	623	604	583	568	560	560	559	⊼						0	11	54	6	25	98
17		✓						⊼	551	549	562	576	589	603	613	610	595	576	566	569	566	565	572	573	574	572	570		0	11	47	6	22	74
18			✓	568	566	563	561	561	557	553	563	578	583	598	607	586	572	578	570	568	566	567	573	573	574	572	573	572	1	11	29	6	15	63
19				572	570	566	567	565	561	544	547	552	570	585	587	581	581	581	576	566	555	555	561	565	570	570	574	568	0	11	57	6	33	50
20	✓			572	572	572	574	577	575	560	564	577	584	594	608	605	600	588	574	574	570	560	562	564	564	566	567	576	0	11	47	6	52	56
21	✓	✓		566	570	571	573	573	565	550	551	559	561	562	572	574	563	563	561	553	552	554	559	567	570	571	571	564	0	12	22	6	58	34
22	✓			569	569	569	570	572	568	560	567	584	597	602	602	601	594	583	571	558	554	556	563	566	567	570	570	574	0	11	57	18	20	57
23				567	566	565	565	566	563	550	557	558	587	613	629	629	625	617	588	567	565	564	566	569	565	568	567	578	0	12	37	6	44	84
24				567	566	565	566	567	564	559	571	589	585	602	606	600	587	566	553	544	547	554	565	567	566	564	564	570	1	11	22	16	36	74
25				563	559	560	560	560	554	543	561	574	585	605	617	611	597	585	581	564	562	564	569	574	571	568	566	573	1	11	36	6	24	85
26	✓	✓		564	564	563	563	561	551	539	554	569	570	582	589	588	585	572	559	552	549	551	560	566	566	565	564	564	0	12	02	6	08	58
27			✓	563	565	564	565	564	559	549	562	583	601	612	619	605	588	584	577	568	564	569	580	584	580	578	575	577	0	11	54	6	18	79
28			✓	571	573	565	577	585	581	570	578	587	601	607	615	614	601	595	580	566	564	563	571	574	571	568	569	581	1	12	41	2	53	68
29				566	566	565	565	564	555	545	551	564	583	583	585	583	581	575	562	557	560	563	572	572	572	571	569	568	0	11	49	6	22	48
30				567	564	564	563	563	562	556	567	582	593	604	607	614	607	584	563	551	550	554	562	563	565	566	567	572	0	12	52	16	58	67
31				566	564	563	563	561	551	534	548	568	579	596	612	602	590	578	566	554	551	557	564	565	566	566	566	568	0	11	49	6	36	84
MEANS ALL DAYS a)				566	564	562	563	563	558	549	559	575	587	597	602	597	588	578	568	560	558	560	568	570	570	569	568	571						65 a)
MEANS TEN DAYS ✲				566	565	565	565	565	558	547	557	574	585	591	595	591	584	576	568	558	555	557	565	568	569	569	567	569						59
MEANS FOUR DAYS † (G. M. T.) b)				566	566	566	566	565	556	544	554	570	578	582	586	584	574	566	559	552	550	560 554	565 562	568	568	568	568	566						
MEANS FIVE DAYS ‡ (G. M. T.)				565	565	559	563	565	562	555	567	582	595	608	609	600	589	583	571	565	563	565	573	575	573	572	567	575						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 16 and 17

b) Omitting incomplete Greenwich day December 17

TABLE 154

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1925 — JANUARY 1925

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				691	692	694	696	697	699	703	711	751	794	835	855	824	776	722	683	669	676	684	690	691	691	690	691	721	0	11 45	859	16 36	666	193
2	✓			694	696	697	697	697	697	697	718	760	814	859	871	847	788	741	701	683	683	690	696	696	697	706	711	731	0	11 36	875	16 57	680	195
3				705	712	712	711	712	711	711	703	718	729	753	769	770	740	725	716	712	705	697	691	691	691	690	690	715	0	12 14	778	23 16	687	91
4		✓		693	692	694	700	698	701	704	717	737	759	777	783	766	745	721	704	704	704	704	700	698	693	692	689	716	0	11 30	789	23 40	684	105
5				693	690	696	696	696	697	707	729	757	794	792	772	747	698	688	696	705	704	695	693	694	694	694	691	713	0	10 01	803	14 33	683	120
6	✓			695	698	698	698	696	699	705	718	741	761	776	769	745	719	698	698	712	716	708	703	701	700	700	700	715	0	10 31	781	14 59	686	95
7				700	698	698	700	698	702	712	734	772	793	800	787	754	713	679	667	677	695	699	692	685	685	687	690	713	0	10 18	807	15 24	659	148
8	✓			692	695	695	697	697	702	712	733	774	799	805	804	792	770	745	710	686	691	705	703	700	702	705	702	726	0	11 35	812	16 45	682	130
9				699	696	697	698	700	702	706	716	746	769	794	802	784	750	729	695	693	700	703	703	700	698	699	698	720	0	11 06	811	16 01	691	120
10	✓	✓		696	695	696	699	700	705	715	740	777	806	823	823	802	769	726	694	693	706	706	702	700	700	699	700	728	0	11 02	828	16 18	689	139
11	✓	✓		700	700	700	701	702	703	710	733	774	817	845	847	820	773	730	708	696	696	699	698	698	699	701	702	731	0	11 05	854	16 55	694	160
12	✓			702	702	702	702	703	708	722	756	798	832	847	841	815	777	721	683	678	694	707	706	704	702	700	699	733	0	10 36	850	16 08	674	176
13				709	714	716	719	708	701	703	721	766	826	865	858	835	775	723	692	674	680	683	682	680	684	684	685	728	0	10 41	876	16 08	668	208
14	✓			687	686	687	687	687	690	700	729	766	814	836	828	797	756	720	700	693	695	692	688	686	688	687	688	720	0	10 58	840	20 08	684	156
15				688	690	691	692	694	687	683	699	748	811	844	844	819	779	733	704	687	688	695	694	693	692	691	691	722	0	11 06	849	6 50	680	169
16			✓	694	695	695	696	695	704	709	Δ									Δ	646	683	685	679	673	669	656		1					
17			✓	641	651	658	663	665	670	670	687	726	772	785	773	760	702	(700)	682	(672)	666	665	666	669	672	667	665	689	1	10 45	797	0 48	619	178
18				668	672	675	677	679	684	689	704	735	763	783	(785	787)	770	738	699	673	655	664	668	671	671	667	668	702	1	[12 —	794]	17 46	648	[146]
19			✓	673	676	680	682	687	698	698	705	737	777	762	734	707	686	648	640	632	621	619	624	644	640	649	651	678	1	10 00	811	18 16	614	197
20			✓	650	656	667	657	659	664	672	697	729	757	793	767	743	709	701	689	693	695	686	678	675	670	668	663	693	0	10 36	851	0 57	644	207
21				659	669	683	681	682	681	689	709	716	737	762	759	783	782	779	757	725	704	690	683	680	680	676	683	710	0	12 13	802	0 14	658	144
22				680	674	675	682	687	692	688	702	729	765	787	778	748	707	669	658	676	689	691	688	685	683	680	678	700	0	10 55	796	15 12	655	141
23			✓	680	678	678	685	689	696	704	708	722	760	762	739	743	753	733	722	689	676	671	670	674	670	670	661	701	0	10 12	806	23 53	650	156
24				657	668	678	676	676	677	681	702	724	759	759	759	730	705	657	666	680	685	682	676	676	677	677	678	692	0	11 18	780	14 15	650	130
25	✓	✓		679	680	680	678	676	676	684	698	724	743	743	737	718	691	679	678	678	679	684	683	681	685	686	686	693	0	10 27	751	4 48	674	77
26				689	690	690	689	689	691	699	715	747	780	810	812	776	733	691	657	662	682	691	693	692	694	691	691	711	0	11 09	827	15 46	652	175
27				689	693	692	689	689	689	695	716	757	802	839	843	807	761	719	696	689	661	676	682	681	682	682	684	717	0	11 14	857	17 18	660	197
28	✓	✓		685	683	684	689	689	688	687	695	722	747	779	790	792	745	701	683	675	677	687	689	687	688	685	686	706	0	11 59	799	16 36	674	125
29				689	687	689	689	690	691	693	694	713	738	751	747	753	737	705	688	685	692	697	695	694	693	693	694	704	0	12 35	760	15 39	681	79
30				696	695	698	694	694	693	688	686	708	736	748	748	757	747	733	723	696	687	692	693	691	689	692	695	707	0	10 33	766	7 27	682	84
31	✓			699	694	691	691	689	688	689	689	706	737	761	783	787	774	740	714	700	696	695	696	696	696	699	701	713	0	11 59	792	7 24	683	109
MEANS ALL DAYS a)				686	687	690	690	691	693	697	712	743	776	796	794	777	744	713	693	686	687	689	688	687	687	687	687	712						a) 145
MEANS TEN DAYS ✱				693	693	693	694	694	696	702	721	754	777	807	809	802	756	720	697	689	693	697	696	695	696	697	698	720						136
MEANS FIVE DAYS † (G. M. T.)				691	690	691	693	693	695	700	717	747	774	793	796	780	745	711	693	689	692	693 696	691 694	690	690	689	690	714						
MEANS FOUR DAYS b) ‡ (G. M. T.)				661	665	671	672	675	682	686	699	728	766	776	753	738	712	696	683	672	664	660	666	670	667	666	663	691						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day January 16

b) Omitting incomplete Greenwich day January 16

TABLE 155

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1925

FEBRUARY 1925

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			701	701	703	702	701	704	692	694	708	724	744	763	755	752	741	716	699	686	683	689	695	699	699	697	710	0	11 15	769	18 00	676	93
2	✓			695	692	691	692	689	686	689	704	733	767	782	786	773	763	735	728	713	701	695	691	688	691	693	691	715	0	11 39	792	5 43	684	108
3	✓	✓		690	689	689	689	690	693	698	710	737	762	765	750	739	738	735	720	701	689	683	690	700	699	701	698	711	0	10 21	771	18 38	680	91
4	✓	✓		694	694	697	698	699	700	703	703	713	728	731	722	691	681	694	710	712	711	703	700	698	698	700	700	703	0	9 38	739	13 29	673	66
5				698	699	698	698	700	700	702	709	738	751	771	764	756	744	733	702	691	688	692	691	688	691	687	686	712	0	10 31	776	23 39	683	93
6				687	689	691	693	692	693	704	710	742	760	776	774	763	739	719	710	700	690	688	685	685	684	682	682	710	0	10 34	788	22 41	681	107
7				681	683	686	688	690	695	703	722	746	766	765	752	751	742	740	709	713	708	711	708	705	703	700	696	715	0	10 30	780	1 04	680	100
8			✓	696	696	696	701	706	713	724	743	763	780	773	760	732	702	688	695	690	689	655	635	631	626	621	638	698	1	11 06	793	22 32	608	185
9			✓	644	631	649	655	658	662	686	713	742	755	753	730	684	641	621	642	678	685	678	666	664	667	667	667	677	1	9 05	780	15 01	614	166
10				669	669	671	673	671	674	682	705	737	771	786	776	737	700	667	670	683	682	675	671	677	675	676	677	695	0	10 42	789	14 29	663	126
11				677	675	675	674	678	678	681	704	744	797	809	810	764	719	682	668	680	684	677	678	669	667	669	672	701	0	10 51	821	15 29	663	158
12				675	681	681	681	681	680	680	688	726	773	798	789	744	693	667	646	664	681	681	678	682	684	682	683	697	0	10 47	808	15 41	641	167
13				681	683	683	681	678	680	685	705	751	796	814	829	811	791	736	704	687	682	679	673	671	674	678	678	714	0	11 10	837	20 04	670	167
14				675	678	680	682	683	683	674	675	709	732	759	781	769	727	701	681	682	688	688	685	682	683	683	684	698	0	11 50	790	7 50	668	122
15	✓			684	682	684	680	681	685	685	693	720	759	781	796	779	748	715	687	698	704	698	692	691	692	692	690	709	0	11 16	803	3 48	678	125
16				690	690	688	690	692	695	701	718	754	788	809	797	750	732	(721)	703	(698)	680	671	672	677	679	684	683	711	0	11 26	818	18 02	664	154
17				678	677	678	679	680	685	695	710	721	733	738	733	707	692	687	698	699	690	679	681	688	690	689	686	696	0	11 25	750	1 08	673	77
18				680	684	685	683	684	690	694	704	731	753	744	719	688	658	656	676	691	692	686	683	684	683	681	685	692	0	9 40	763	14 28	640	123
19				686	683	681	682	685	691	696	707	718	737	709	673	658	647	672	690	685	665	643	644	656	653	649	652	678	1	9 13	759	13 36	625	134
20				659	664	672	678	679	684	690	704	726	742	736	712	686	651	652	681	701	701	691	688	687	686	686	686	689	0	10 10	773	13 38	643	130
21	✓	✓		686	684	682	682	684	687	698	725	756	793	798	765	710	655	639	655	684	702	698	693	689	689	690	690	701	0	10 51	807	14 24	637	170
22	✓	✓		690	689	687	688	689	691	704	725	760	792	792	775	739	704	683	690	703	710	702	699	698	695	694	692	712	0	10 00	802	14 51	680	122
23	✓	✓		691	691	691	693	693	694	700	720	756	789	799	787	754	707	675	679	695	702	701	699	697	697	697	698	713	0	10 43	802	14 44	669	133
24			✓	695	698	697	698	699	699	698	717	752	806	834	827	774	715	664	657	666	673	677	679	670	669	668	669	708	0	11 09	845	16 03	647	198
25			✓	666	662	656	660	665	670	662	670	713	763	797	809	793	756	725	704	692	686	684	682	684	685	688	688	702	0	11 10	813	6 56	653	160
26	✓			686	687	689	690	691	692	683	682	711	744	775	795	794	782	762	747	731	707	694	691	686	684	686	686	716	0	11 54	797	7 04	675	122
27	✓			689	690	690	691	693	693	686	682	709	737	756	764	763	756	746	732	714	702	697	696	694	695	698	685	711	0	11 22	769	7 03	677	92
28			✓	679	674	686	692	695	696	690	686	712	742	776	780	774	768	753	728	710	691	685	685	680	680	679	679	709	0	11 19	791	1 24	669	122
29																																		
30																																		
31																																		
MEANS ALL DAYS				683	683	684	685	687	689	692	705	733	762	774	768	744	718	700	694	695	692	686	683	683	683	683	683	704						129
MEANS TEN DAYS ✱				691	690	690	690	691	692	694	704	730	760	772	770	750	729	712	706	705	701	695	694	694	694	695	693	710						112
MEANS FIVE DAYS † (G. M. T.)				690	689	689	690	691	693	701	717	744	773	777	760	727	697	685	691	699	703	694 697	692 696	692	692	693	691	707						
MEANS FIVE DAYS ‡ (G. M. T.)				676	672	677	681	685	688	692	706	736	769	787	781	751	716	690	685	687	685	676	683	679	678	677	677	701						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 156

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1925 — MARCH 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	671	673	694	696	698	701	688	683	709	693	714	706	703	702	709	705	684	679	680	681	683	684	685	685	692	0	10 50	721	0 26	667	54
2				684	685	686	687	689	690	687	695	702	729	758	768	774	772	764	745	723	701	689	690	690	688	687	687	711	0	12 36	779	6 50	682	97
3	✓	✓		687	689	690	692	694	692	683	675	704	751	789	803	803	786	759	733	718	708	699	696	693	690	692	691	717	0	12 12	808	7 33	669	139
4				691	691	691	694	699	702	697	711	744	773	817	821	806	785	757	745	728	709	696	690	686	678	681	685	724	0	10 52	839	21 47	674	165
5			✓	679	679	681	685	687	685	681	690	717	744	770	782	770	735	721	708	702	692	686	686	686	680	676	667	704	0	12 13	790	23 46	663	127
6				665	669	674	677	680	684	688	706	740	765	773	763	731	723	713	713	711	705	691	686	680	680	690	682	704	0	10 27	781	0 27	662	119
7	✓			683	684	684	686	686	692	695	713	744	772	774	754	724	706	702	706	715	713	701	699	699	699	697	696	709	0	10 21	781	0 01	682	99
8	✓	✓		697	696	695	695	698	695	702	728	763	789	793	773	741	709	691	697	706	708	710	706	707	707	708	705	717	0	10 04	798	14 47	687	111
9			✓	716	705	700	695	690	709	697	702	739	786	812	815	775	719	685	663	660	667	675	670	665	670	675	679	707	1	11 36	841	16 59	653	188
10			✓	678	680	680	678	680	683	686	711	748	787	814	791	764	729	704	693	692	692	682	680	684	680	677	673	707	0	10 27	824	23 51	671	153
11				682	680	680	681	683	690	694	722	763	807	826	822	787	749	724	705	701	698	689	684	686	687	685	681	717	0	11 02	831	0 01	672	159
12				681	681	681	682	687	687	681	698	745	796	819	822	803	778	745	724	710	696	685	683	686	687	683	682	718	0	11 00	835	6 31	679	156
13	✓			680	684	686	686	686	687	685	705	750	801	834	838	821	779	758	706	690	686	682	681	682	686	687	683	719	0	11 15	842	19 47	679	163
14				684	685	684	687	694	695	698	720	765	814	848	857	831	783	743	(716)	700	700	695	694	691	694	696	697	728	0	11 14	861	0 17	682	179
15			✓	694	689	689	691	693	690	672	686	724	736	769	815	816	790	745	703	674	671	674	673	671	673	677	677	708	0	11 58	837	6 45	661	176
16				666	665	669	676	684	681	677	694	731	766	805	821	819	801	777	(724)	701	690	685	680	676	670	671	671	712	0	11 44	826	1 01	663	163
17	✓			677	680	682	683	684	683	678	689	728	765	792	805	795	786	757	723	696	682	680	680	679	679	678	678	711	0	11 18	809	0 12	673	136
18	✓	✓		678	678	682	683	685	686	682	691	720	751	775	782	775	763	743	720	704	695	692	689	686	684	683	682	709	0	11 47	788	1 33	676	112
19				683	684	684	685	689	693	698	723	734	763	788	795	788	767	752	738	720	698	689	685	683	684	683	682	716	0	10 10	802	23 57	678	124
20				682	685	684	688	693	696	700	715	730	746	753	747	745	750	738	728	711	693	679	674	675	678	680	678	706	1	13 03	781	19 12	671	110
21				682	684	687	686	687	690	691	701	726	751	770	765	756	737	726	717	718	712	702	701	699	693	692	691	711	0	10 40	774	0 01	679	95
22	✓			693	693	694	698	700	700	701	715	737	753	774	791	772	754	734	724	719	708	689	687	689	690	686	680	716	0	11 21	808	23 59	673	135
23				675	673	677	673	678	685	673	695	730	760	788	797	783	753	733	720	716	707	700	692	693	691	688	687	711	0	11 05	805	6 42	668	137
24				686	688	689	693	697	699	704	729	764	802	841	837	808	777	733	713	701	698	693	689	687	684	679	680	724	0	10 49	873	22 39	676	197
25	✓			680	682	683	685	686	686	681	694	729	768	795	791	764	726	690	679	684	688	689	683	677	681	680	681	703	0	10 28	800	21 12	674	126
26				684	687	690	692	700	703	699	721	768	808	843	846	845	802	742	709	693	691	701	692	689	681	677	686	727	0	11 46	869	22 12	672	197
27				691	692	695	698	699	699	684	703	756	810	832	812	798	757	729	705	686	685	686	685	685	685	686	685	718	0	10 12	843	16 48	680	163
28	✓	✓		685	685	687	688	688	689	688	703	742	785	815	826	817	787	750	723	713	703	700	695	690	690	690	690	722	0	11 47	828	1 05	683	145
29				690	689	690	692	693	695	693	702	737	779	821	822	811	777	737	700	680	680	676	669	671	677	682	683	714	0	10 13	842	19 18	667	175
30				684	685	686	688	693	694	688	680	690	713	737	761	770	765	752	728	715	705	698	695	691	689	687	685	707	0	13 12	774	7 38	676	98
31	✓	✓		684	685	688	688	689	691	687	692	716	752	785	800	793	770	737	717	704	698	697	697	694	696	697	695	715	0	11 51	804	0 45	681	123
MEANS ALL DAYS				684	684	686	687	690	692	689	703	735	768	794	798	783	759	734	714	702	695	690	687	686	685	685	684	713						139
MEANS TEN DAYS ✲				684	686	687	688	690	690	688	700	733	769	793	796	780	757	732	713	705	699	694	691	690	690	690	688	714						129
MEANS FIVE DAYS † (G. M. T.)				686	687	688	689	691	691	688	698	729	766	791	797	786	763	736	718	709	702	691 700	690 697	689	688	687	686	715						
MEANS FIVE DAYS ‡ (G. M. T.)				688	685	689	689	690	694	685	694	727	749	776	782	766	735	713	694	682	680	679	689	686	686	688	689	706						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 157

HORIZONTAL INTENSITY

APRIL 1925 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — APRIL 1925

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				689	691	697	697	689	696	697	709	755	790	848	859	820	782	726	694	697	693	699	695	697	698	698	697	726	0	11 34	872	1 00	680	192
2				686	691	689	687	693	706	707	725	770	794	822	823	784	761	734	716	710	695	683	675	673	680	681	682	719	1	11 41	870	20 57	672	198
3			✓	679	680	678	678	680	680	687	687	705	725	739	745	715	694	685	696	697	695	681	677	675	676	677	677	692	1	11 07	770	9 58	662	108
4	✓	✓		678	679	679	680	684	685	683	685	709	742	771	780	779	766	746	727	712	703	700	697	695	693	689	684	710	0	12 21	787	7 00	677	110
5				693	686	689	686	686	702	706	713	740	771	784	789	752	729	709	700	696	682	679	681	684	684	683	681	709	0	11 30	803	18 26	678	125
6				679	679	682	685	687	690	693	709	740	773	794	789	754	726	696	674	677	683	675	672	668	663	686	677	702	0	10 06	800	21 00	655	145
7				676	670	677	683	675	679	690	715	754	788	798	791	764	731	701	694	690	684	670	674	687	688	676	679	706	0	10 28	809	18 51	664	145
8				683	685	684	686	681	681	680	703	747	799	841	837	798	741	707	696	704	692	683	678	682	681	674	691	714	0	10 45	854	22 56	672	182
9			✓	688	683	683	684	687	684	692	719	753	799	815	805	784	745	695	686	683	695	684	656	652	667	681	658	707	0	10 32	823	21 02	644	179
10			✓	660	657	669	670	667	669	677	699	744	781	796	783	756	727	690	677	677	672	674	666	665	683	671	664	696	0	10 00	815	1 13	655	160
11				674	676	679	681	680	679	677	693	734	783	814	813	788	743	699	673	673	676	676	674	670	674	666	675	703	0	11 15	824	23 10	660	164
12				673	669	676	683	686	687	687	703	711	772	800	812	791	739	698	672	672	671	671	678	682	679	678	677	703	0	11 03	827	16 08	667	160
13	✓			679	677	676	675	681	680	674	689	736	792	836	848	814	760	710	684	684	686	684	679	680	685	680	678	711	0	10 58	861	6 34	670	191
14	✓			678	677	677	680	682	682	675	686	729	776	811	819	806	784	757	(720)	696	685	680	680	679	678	676	677	712	0	11 24	824	6 46	673	151
15			✓	680	684	686	689	692	692	678	669	685	735	778	811	808	764	717	688	664	659	671	677	676	671	669	669	700	0	11 23	824	17 09	654	170
16				676	679	679	683	675	675	676	690	725	766	802	817	809	786	753	(728)	704	689	684	681	676	674	673	678	712	0	11 05	824	0 13	666	158
17	✓	✓		679	679	683	686	685	685	683	685	710	741	774	780	772	747	719	704	698	689	685	681	678	681	670	670	703	0	11 00	788	22 43	669	119
18	✓			672	675	679	681	682	686	704	724	760	800	812	810	787	756	720	704	699	690	687	686	683	680	680	678	714	0	11 14	819	0 13	670	149
19	✓	✓		676	679	682	687	691	691	698	719	763	799	817	814	790	762	733	722	719	716	700	695	690	685	686	688	721	0	11 04	821	0 21	675	146
20			✓	[675]	▽					▽	699	733	782	815	787	724	704	693	682	690	690	683	679	676	687	677	677		0	10 35	827	20 35	669	158
21				675	672	673	675	680	686	697	719	746	758	767	771	747	721	705	703	701	689	683	682	678	677	676	676	702	0	11 22	776	1 21	672	104
22	✓			687	684	684	685	684	687	702	721	749	763	799	804	770	733	704	701	704	702	701	696	694	689	686	684	714	0	11 10	812	0 03	679	133
23	✓			687	689	693	701	700	700	704	723	768	814	839	834	810	771	738	(719)	706	696	691	688	686	685	685	679	725	0	10 55	849	23 57	677	172
24	✓	✓		678	684	687	688	689	689	688	709	756	798	829	817	790	767	734	711	697	693	687	685	686	684	683	684	717	0	11 07	847	0 09	676	171
25	✓	✓		682	683	684	687	691	693	698	709	741	788	818	822	802	773	741	724	714	707	701	693	689	691	689	687	721	0	11 05	828	0 09	681	147
26				686	687	686	691	694	695	698	713	749	790	796	800	795	767	734	714	698	692	689	689	686	685	684	684	717	0	10 44	809	23 00	684	125
27				685	687	688	689	689	668	678	675	700	748	804	824	798	734	720	707	703	696	693	690	687	681	683	685	710	0	11 14	837	7 33	672	165
28				686	688	693	686	686	689	684	691	717	756	798	620	809	769	734	706	694	686	678	664	657	661	659	661	707	0	11 33	824	20 03	653	171
29				658	661	665	675	682	680	664	675	721	768	800	803	781	750	722	706	694	684	687	689	689	685	679	683	704	0	11 24	814	0 21	656	158
30				678	675	674	676	681	682	680	695	713	746	748	760	758	739	710	694	687	681	679	677	679	681	682	682	698	0	12 12	766	2 58	672	94
31																																		
MEANS ALL DAYS a)				679	680	682	684	685	687	688	702	736	775	802	806	784	751	719	701	695	689	685	681	680	681	679	679	709						a) 151
MEANS TEN DAYS ✲				680	681	682	685	687	688	691	705	742	783	811	813	792	762	730	712	703	697	692	688	686	685	682	681	715						149
MEANS FIVE DAYS † (G. M. T.)				679	681	683	686	688	689	690	701	736	774	802	803	787	763	735	718	708	702	686 695	683 690	681	680	680	679	713						
MEANS FOUR DAYS b) ‡ (G. M. T.)				677	676	679	680	682	681	684	694	722	760	782	786	766	732	697	687	680	680	678	672	672	676	678	677	700						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day April 20 b) Omitting incomplete Greenwich day April 20

TABLE 158

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1925 — MAY 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			682	680	680	683	683	686	688	700	725	752	766	772	767	755	733	719	701	693	691	688	687	685	686	686	708	0	12 06	776	2 15	677	99
2		✓		685	▽					▽	722	745	773	792	799	795	773	745	719	705	699	696	695	694	692	692	692		0	12 00	802	[0 40	684	118]
3				693	696	697	698	701	703	708	714	731	758	790	800	789	765	734	712	706	715	712	687	677	689	694	682	719	0	10 33	807	23 18	673	134
4			✓	672	671	663	651	651	679	646	653	684	741	722	692	714	677	664	655	640	645	636	639	668	647	653	661	668	1	9 33	769	7 49	628	141
5			✓	669	654	664	669	669	668	673	679	700	728	748	756	742	711	683	670	665	670	668	666	661	661	667	665	684	0	11 39	765	1 50	652	113
6				664	663	666	668	667	671	683	692	712	737	761	763	754	733	711	689	679	674	671	671	672	669	669	671	692	0	11 25	768	1 30	662	106
7				671	676	680	681	679	680	688	706	733	762	780	777	751	730	705	683	671	664	663	672	657	655	671	666	696	0	10 18	784	21 30	651	133
8				669	675	674	676	676	678	686	694	722	751	787	794	792	757	726	699	685	674	674	671	675	672	671	669	702	0	11 32	802	0 11	663	139
9				671	676	681	686	683	681	684	693	728	757	784	799	790	755	722	701	681	666	669	669	664	664	666	667	702	0	12 36	824	20 31	662	162
10	✓			669	671	672	672	673	674	676	679	694	724	755	774	782	763	729	689	668	664	664	(662)	661	663	663	662	692	0	12 08	786	21 18	661	125
11	✓			664	665	667	668	668	665	659	663	693	740	780	798	795	774	736	698	679	672	671	670	670	670	670	671	696	0	12 00	803	7 05	658	145
12	✓	✓		672	673	675	676	675	673	666	668	703	754	798	811	810	782	736	697	677	673	675	674	675	674	673	673	703	0	10 56	827	7 03	662	165
13	✓			674	676	678	677	676	676	672	678	701	748	768	778	786	773	742	707	686	679	678	676	676	675	675	674	701	0	12 25	791	6 24	671	120
14	✓	✓		675	676	681	682	683	683	686	688	700	708	742	761	769	773	769	(742)	710	690	685	681	680	683	684	686	705	0	13 50	775	0 11	674	101
15	✓	✓		683	683	688	689	688	689	678	661	665	697	733	759	773	771	(757)	732	711	693	685	682	679	677	681	684	702	0	12 36	776	7 48	658	118
16	✓	✓		682	682	682	684	687	689	689	687	686	687	697	710	725	730	726	719	708	694	690	689	689	690	690	689	696	0	13 04	737	1 02	681	56
17				690	689	691	692	695	697	701	702	701	713	732	753	762	759	749	742	723	706	700	698	696	691	678	688	710	0	12 21	763	22 34	675	88
18				695	695	692	698	708	697	703	716	733	757	773	775	761	750	732	711	690	673	657	654	654	657	653	647	703	0	11 05	782	23 59	644	138
19				644	651	657	661	666	668	665	671	704	712	744	745	745	740	718	698	678	671	670	670	671	673	(669	663)	686	0	10 45	757	0 46	644	113
20				[663]	▽					▽	715	747	777	800	810	800	782	749	718	694	683	681	678	676	677	680	680		0	10 54	813			
21	✓			681	683	685	689	691	693	695	704	723	750	768	778	774	758	741	720	707	697	690	686	684	683	682	683	710	0	12 03	781	21 18	680	101
22				687	688	684	684	686	685	693	711	719	744	759	768	765	753	732	713	699	691	688	686	685	685	688	688	708	0	11 35	772	4 57	681	91
23	✓			691	693	695	698	699	701	715	739	768	794	807	814	794	766	734	719	703	687	678	679	679	684	685	689	721	0	11 42	818	18 16	676	142
24				690	692	696	698	702	704	715	721	733	753	763	769	760	740	712	695	687	678	672	674	679	676	663	666	706	0	11 36	774	23 00	659	115
25				670	671	675	676	678	682	694	713	726	750	762	766	765	749	730	701	689	682	681	680	680	680	681	682	703	0	12 08	777	0 44	667	110
26				682	684	686	685	689	691	702	713	735	764	772	770	767	751	739	715	701	693	688	689	689	691	690	698	712	0	10 43	780	0 01	681	99
27				696	694	695	695	696	696	692	688	692	708	715	728	719	703	698	679	666	655	638	616	621	626	657	640	680	1	11 59	738	20 06	610	128
28			✓	648	657	667	662	667	673	683	689	708	728	747	757	741	721	707	694	682	671	667	673	670	670	669	675	689	0	11 48	765	0 12	645	120
29				673	673	674	675	677	679	685	694	709	735	764	785	775	758	739	717	702	693	669	663	659	672	670	670	700	0	11 42	793	20 31	654	139
30			✓	669	671	673	684	686	688	706	720	724	749	767	779	755	732	701	687	679	670	673	647	638	674	658	688	697	0	11 31	797	20 21	621	176
31			✓	668	678	672	666	664	672	666	698	707	713	702	691	695	685	691	695	692	677	660	674	662	661	667	675	680	1	9 22	730	0 48	650	80
MEANS ALL DAYS a)				676	677	679	680	681	683	686	694	712	738	758	766	763	745	724	703	688	680	675	672	671	672	673	674	699						a) 121
MEANS TEN DAYS ✲				677	678	680	682	682	683	682	687	706	735	761	776	778	764	740	714	695	684	681	679	678	678	679	680	703						117
MEANS FOUR DAYS (G. M. T.) b) †				678	678	682	683	683	684	680	676	688	712	742	760	769	764	747	722	702	688	680 684	677 682	676	676	678	679	700						
MEANS FIVE DAYS (G. M. T.) ‡				665	666	668	666	667	676	675	688	705	732	737	735	729	705	689	680	672	667	661	650	653	662	666	668	683						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-nine days only, omitting incomplete days May 2 and 20

b) Omitting incomplete Greenwich day May 2

TABLE 159

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1925 — JUNE 1925

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				678	674	673	671	675	683	700	720	735	736	758	751	744	706	695	682	677	666	661	662	669	674	667	676	693	0	11 00	784	19 24	656	128
2				678	678	687	683	677	678	690	704	707	716	731	733	722	718	700	695	684	669	661	670	678	662	663	672	690	0	12 09	749	19 13	656	93
3				687	677	669	670	678	685	697	713	723	744	732	744	736	718	696	671	667	671	671	671	672	669	680	682	693	0	10 07	774	15 45	660	114
4				676	673	674	674	678	680	695	714	730	761	769	771	758	725	713	694	682	678	676	674	675	673	659	655	698	0	11 33	779	23 02	653	126
5				676	680	672	674	679	679	691	706	729	741	744	741	724	702	689	684	687	685	679	678	678	676	675	681	694	0	9 40	759	0 01	662	97
6				679	681	684	686	690	693	693	713	745	772	765	754	758	748	708	685	669	666	669	674	670	668	666	671	700	0	9 18	784	16 45	662	122
7	✓			680	674	673	673	675	681	692	711	735	756	769	779	766	743	719	703	690	680	677	677	676	676	679	675	702	0	11 37	786	24 00	672	114
8	✓	✓		672	675	671	672	676	676	671	678	708	740	756	765	749	733	709	690	684	681	670	670	670	670	670	672	693	0	11 37	770	19 13	667	103
9	✓	✓		674	674	676	678	679	684	689	699	715	742	773	780	781	762	725	698	686	681	679	674	671	670	671	679	702	0	12 21	797	21 50	668	129
10	✓			679	679	682	685	686	685	690	698	708	733	752	746	770	770	734	700	681	675	673	670	668	672	676	676	700	0	13 04	780	20 15	666	114
11	✓			675	674	677	675	677	676	678	693	714	744	771	774	760	734	710	688	670	660	656	657	652	653	652	653	691	0	11 08	782	20 06	650	132
12				655	657	663	668	674	668	657	655	674	708	745	772	766	746	719	690	674	672	671	668	666	668	666	665	686	0	11 54	777	7 14	651	126
13			✓	672	651	640	693	671	662	633	620	655	693	705	707	692	683	665	675	661	633	615	625	632	648	656	645	660	2	11 07	778	8 12	609	169
14				663	661	662	658	658	660	671	687	700	724	743	748	734	711	686	669	662	658	655	664	664	665	665	663	680	0	11 34	757	18 37	655	102
15				664	669	667	668	668	672	674	675	694	717	752	770	750	718	699	679	669	673	676	675	675	670	666	671	688	0	11 46	779	0 06	662	117
16				675	676	673	671	676	678	681	696	729	756	767	769	756	738	696	675	658	641	654	628	632	651	668	642	687	0	10 54	781	20 15	623	158
17				641	648	657	663	668	671	682	686	690	710	731	736	737	731	716	703	685	671	665	665	662	676	664	658	684	0	13 09	746	0 30	637	109
18				663	665	670	670	673	675	678	696	709	719	739	758	754	739	707	(689)	680	674	665	657	652	662	664	670	689	0	11 58	762	20 30	649	113
19	✓	✓		669	670	674	678	678	677	681	687	695	715	738	755	767	763	730	(693)	673	668	672	675	674	675	672	671	694	0	12 46	771	17 10	666	105
20	✓	✓		673	675	679	680	682	686	697	707	721	734	751	758	760	752	733	709	690	682	684	681	681	684	686	687	703	0	12 00	762	0 04	669	93
21	✓	✓		688	689	688	689	690	692	698	712	729	753	773	784	777	751	722	702	693	689	689	688	688	688	690	690	710	0	11 40	787	20 05	687	100
22	✓			690	691	693	695	697	700	711	734	757	779	793	788	775	755	725	711	703	691	685	681	691	696	689	668	717	0	11 58	801	23 16	659	142
23			✓	672	662	673	676	678	674	667	679	685	706	696	715	728	714	705	695	685	677	674	667	656	648	656	668	682	1	9 43	739	22 15	644	95
24			✓	659	666	668	674	675	674	683	701	724	756	777	757	746	741	680	648	637	608	577	621	616	622	656	629	675	2	10 52	796	18 33	554	242
25			✓	632	655	648	652	654	657	668	677	687	702	698	699	662	678	691	687	680	673	665	660	656	657	657	658	669	1	11 54	727	0 01	627	100
26	✓			660	660	661	666	670	667	675	691	724	752	775	779	756	714	683	671	665	664	663	661	659	659	656	659	687	0	11 13	789	21 47	654	135
27				669	662	665	668	671	677	676	685	695	720	729	739	749	720	692	664	640	640	642	660	676	645	642	665	679	1	11 48	780	22 09	628	152
28			✓	679	666	655	660	667	665	676	684	700	718	743	759	731	717	686	677	663	652	647	651	653	645	656	668	680	1	11 31	766	19 06	641	125
29				663	667	668	662	669	668	678	688	714	724	764	769	771	750	727	703	681	666	658	Δ						0	11 46	781	[18 12	657	124]
30																						Δ	665	666	666	664	665							
31																																		
MEANS ALL DAYS a)				671	670	670	674	676	677	682	694	711	734	749	755	747	730	705	687	675	667	663	664	665	665	667	667	690						123 a)
MEANS TEN DAYS *				676	676	677	679	681	682	688	701	721	745	765	771	766	748	719	696	684	677	675	673	673	674	674	673	700						117
MEANS FIVE DAYS † (G. M. T.)				675	677	678	679	681	683	687	697	714	737	758	768	767	752	724	698	685	680	674 679	672 678	671	673	674	675	699						
MEANS FIVE DAYS ‡ (G. M. T.)				663	660	657	671	669	666	665	672	690	715	724	727	712	707	685	676	665	649	636	659	661	656	662	659	675						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-eight days only, omitting incomplete days June 29 and 30

TABLE 160

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1925 — JULY 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				666	668	670	671	673	676	686	698	713	716	734	760	752	730	709	692	677	668	667	673	674	672	670	678	691	0	12 15	770	18 24	658	112
2				678	672	673	675	677	678	688	701	713	727	737	746	757	740	712	684	673	672	672	659	664	661	662	671	691	0	12 48	763	19 51	655	108
3				672	666	667	673	671	673	683	Δ											Δ	665	667	667	666	669							
4	✓			671	672	673	671	673	674	682	706	722	737	741	742	751	755	735	713	691	678	672	670	674	678	680	678	697	0	13 27	760	19 04	668	92
5				680	679	684	684	685	689	699	719	729	753	768	778	763	741	724	705	686	674	669	668	670	671	674	671	703	0	11 40	787	21 18	663	124
6				678	676	673	675	677	675	676	689	709	739	763	770	769	737	709	688	679	676	672	670	670	672	675	676	696	0	12 40	776	0 18	666	110
7	✓			676	677	677	676	678	679	687	708	733	760	783	793	783	764	737	717	695	677	669	667	662	666	669	676	705	0	11 15	798	20 42	660	138
8				679	681	684	686	688	688	697	714	728	746	754	760	751	735	719	706	694	684	679	678	678	679	679	694	703	0	11 40	764	20 06	677	87
9				684	688	692	693	690	692	708	740	754	778	786	786	773	740	728	699	676	681	680	679	682	686	686	685	712	0	10 10	803	16 09	659	144
10				692	686	687	686	690	693	699	703	716	736	769	787	797	770	728	680	648	638	641	646	653	649	655	658	696	0	12 12	813	17 49	634	179
11				659	657	657	674	669	665	656	662	679	709	744	769	781	760	715	679	663	656	654	659	653	656	661	661	683	0	12 27	783	6 45	651	132
12	✓			662	664	667	671	672	676	668	709	735	767	788	793	778	757	725	699	682	672	670	668	669	670	671	673	701	0	11 12	799	0 02	660	139
13	✓	✓		675	680	681	684	684	684	697	714	733	752	783	796	790	783	753	720	689	672	667	667	666	666	668	669	707	0	11 15	798	20 55	665	133
14				671	673	674	676	677	680	691	707	720	739	749	758	759	747	726	Δ		Δ	[629]	628	621	625	639	625		1	12 15	763	20 25	612	151
15			✓	632	647	656	661	662	670	684	700	684	683	716	742	737	721	(689	681)	672	667	664	662	664	665	666	665	679	1	12 01	752	0 21	625	127
16	✓	✓		668	669	671	675	676	676	682	691	698	712	726	736	730	723	716	710	697	681	675	674	674	674	676	676	691	0	11 31	746	0 27	667	79
17	✓	✓		675	676	678	680	680	684	692	700	714	733	741	726	708	702	698	692	689	687	683	683	685	685	686	686	694	0	10 27	743	0 48	674	69
18	✓	✓		686	687	687	687	690	695	708	730	750	769	784	771	763	743	719	703	697	688	682	678	675	679	680	680	710	0	11 20	794	20 31	672	122
19				680	680	681	684	685	686	687	698	715	725	741	738	737	718	714	706	692	682	676	672	670	671	674	677	695	0	12 46	750	20 49	668	82
20	✓	✓		677	679	679	680	682	685	695	704	722	727	751	763	765	755	734	716	701	690	685	681	680	679	679	680	704	0	12 18	767	0 13	677	90
21				682	682	684	689	693	693	692	697	701	712	743	757	737	707	708	692	685	674	672	668	668	666	671	658	693	1	11 07	807	23 22	651	156
22			✓	672	670	670	675	682	680	683	696	711	735	757	770	758	721	705	694	691	683	680	675	674	670	677	677	696	0	11 11	795	3 03	666	129
23				676	674	679	678	680	684	694	692	707	729	750	753	762	741	725	695	684	676	675	672	672	673	672	674	697	0	12 29	782	22 51	670	112
24	✓			677	675	675	677	679	678	682	685	699	727	744	764	774	762	738	716	693	668	665	671	672	675	675	675	698	0	12 39	778	17 45	660	118
25				676	679	680	683	686	690	698	709	713	732	757	778	804	784	753	714	692	673	656	668	674	676	674	655	704	0	13 07	832	23 09	644	188
26			✓	668	665	663	688	662	662	659	664	684	731	724	753	751	738	710	684	678	675	661	660	662	652	664	670	684	0	11 58	775	21 31	641	134
27			✓	656	667	667	671	671	672	681	685	710	727	750	766	754	725	717	694	648	641	657	652	651	672	668	652	686	0	11 38	788	17 48	637	151
28			✓	661	678	678	661	666	664	669	680	699	707	734	740	740	726	705	697	682	674	657	661	663	665	664	667	685	0	12 03	754	0 01	656	98
29				669	672	675	672	673	675	673	670	675	689	714	723	740	736	717	695	682	671	666	668	669	666	661	663	684	0	12 14	749	23 54	660	89
30	✓			665	672	674	672	673	673	677	687	701	724	749	772	768	749	724	707	691	680	672	668	671	668	677	674	695	0	11 48	777	0 21	664	113
31				672	675	677	677	677	678	680	693	713	738	761	772	768	742	709	698	683	675	675	675	674	672	673	671	697	0	11 50	783	0 30	670	113
MEANS ALL DAYS a)				672	674	676	678	678	680	686	698	712	732	751	762	760	742	720	699	683	674	669	669	669	670	672	672	696						120 a)
MEANS TEN DAYS ✲				673	675	676	677	679	680	689	703	721	741	759	766	761	749	728	709	692	679	674	673	673	674	676	677	700						109
MEANS FIVE DAYS (G. M. T.) †				676	678	679	681	682	685	695	708	723	739	757	758	751	741	724	708	695	684	674 678	672 677	672	673	675	675	700						
MEANS FIVE DAYS (G. M. T.) ‡				658	665	667	671	669	670	675	685	698	717	736	754	748	726	705	690	674	668	664	655	655	658	663	652	684						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days July 3 and 14

TABLE 161

HORIZONTAL INTENSITY

AUGUST 1925

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				672	676	675	676	674	677	689	703	717	741	761	760	748	705	658	650	655	665	662	663	664	666	672	675	688	0	10 49	776	15 15	647	129
2				672	674	672	673	676	677	687	704	720	735	739	732	738	719	694	675	683	683	675	675	677	681	679	683	693	0	10 42	745	0 56	670	75
3				687	688	687	689	692	696	709	717	734	747	756	768	761	781	727	702	660	631	637	638	654	651	661	659	697	0	13 40	792	17 25	619	173
4				660	658	661	665	668	674	670	667	668	712	721	720	699	706	699	687	670	653	662	667	671	675	671	668	678	0	11 50	747	17 51	651	96
5				676	673	673	676	675	679	687	705	724	751	775	787	784	759	734	710	689	677	670	668	668	665	669	673	702	0	12 13	794	21 27	661	133
6				674	674	675	679	689	692	699	701	702	713	729	750	765	791	785	740	691	662	649	644	654	671	674	676	699	0	13 44	803	19 02	641	162
7			✓	679	678	691	685	681	665	632	617	647	688	725	712	718	726	689	667	643	631	626	621	635	655	626	631	665	1	10 48	752	8 04	598	154
8			✓	660	648	652	661	662	667	668	689	712	696	742	747	736	724	710	691	671	640	651	652	646	668	674	656	680	0	11 42	774	17 36	629	145
9				662	662	660	664	668	667	657	650	674	707	730	752	761	748	715	695	677	659	655	651	666	656	656	661	681	0	13 02	773	7 16	639	134
10				665	676	666	663	665	665	668	679	705	732	762	779	785	763	739	707	682	669	669	665	663	670	667	672	695	0	12 26	803	0 28	655	148
11	✓	✓		667	671	671	670	672	676	687	699	703	714	723	737	743	740	728	706	688	679	674	672	671	673	672	672	692	0	12 11	749	0 42	665	84
12	✓	✓		672	670	673	675	675	677	685	692	704	723	737	747	751	745	731	706	687	680	675	671	674	672	672	671	694	0	12 13	754	1 35	669	85
13	✓	✓		672	673	675	677	680	682	693	708	728	753	777	789	792	779	751	713	688	679	679	678	678	679	681	686	708	0	12 15	795	0 30	672	123
14				687	689	691	694	695	694	697	707	730	761	777	(777)	770	766	742	711	674	670	668	671	676	679	676	679	708	0	10 41	787	17 57	665	122
15	✓	✓		676	680	678	680	683	687	698	710	720	740	759	775	785	774	732	(699)	684	678	676	671	673	677	680	682	704	0	12 03	792	19 18	669	123
16	✓			681	682	683	684	686	688	700	718	744	770	792	817	821	801	770	756	725	700	692	686	683	682	680	681	722	0	11 48	826	22 00	679	147
17				679	683	685	682	675	686	689	703	734	758	756	761	744	717	713	701	(686)	663	647	651	651	656	655	676	694	0	11 47	786	18 27	645	141
18			✓	667	663	666	672	676	680	680	689	687	695	697	687	716	722	701	671	667	657	636	640	642	669	658	659	675	1	13 36	747	18 28	627	120
19				663	666	664	680	672	674	687	708	729	740	734	728	720	716	694	682	676	670	665	663	661	659	663	667	687	0	10 06	744	21 24	657	87
20				[670]	▽						▽	703	716	740	755	760	750	729	704	686	669	667	668	669	667	668	670		0	12 40	761	17 56	665	96
21	✓			671	671	673	675	675	679	687	693	714	728	742	749	752	738	726	713	693	665	658	663	662	666	670	668	693	0	12 27	756	18 08	654	102
22			✓	667	668	668	668	668	671	683	716	745	794	804	769	777	714	716	698	670	658	650	599	579	580	577	595	681	1	10 05	843	21 58	565	278
23			✓	621	654	641	645	644	649	675	684	695	708	720	732	705	695	687	687	684	692	675	670	660	661	657	666	675	1	10 57	773	0 01	600	173
24				654	656	659	661	665	669	674	694	710	729	730	724	725	722	705	692	679	(671	668)	664	659	650	654	660	682	0	11 00	743	21 16	647	96
25				666	666	666	665	666	672	687	702	720	743	744	757	768	765	737	721	696	663	662	665	674	661	657	662	695	0	12 52	787	17 48	653	134
26				666	▽					▽	715	725	763	785	805	808	788	755	719	679	667	661	661	666	667	666	668		0	11 40	814	18 36	657	157
27	✓			668	671	671	670	671	668	671	685	706	732	746	754	745	733	722	717	701	681	669	666	667	670	672	673	693	0	11 14	762	19 03	664	98
28	✓	✓		675	677	678	681	682	684	697	713	739	752	758	764	759	751	726	717	707	693	680	678	677	677	676	675	705	0	11 06	769	23 50	674	95
29	✓			675	675	677	682	683	687	698	712	726	739	759	765	761	741	724	712	702	694	696	674	660	638	658	663	700	0	10 39	772	21 28	632	140
30				662	663	665	671	673	679	680	694	718	▽									▽	670	672	672	671	669		0			0 09	661	
31	✓			671	666	670	673	675	678	689	710	739	785	813	839	820	797	739	719	693	673	663	657	661	662	654	664	709	0	11 20	893	19 31	655	238
MEANS ALL DAYS a)				669	671	671	674	675	677	684	696	713	735	750	756	755	744	721	702	683	669	664	660	661	663	663	666	693						133 a)
MEANS TEN DAYS ✲				673	674	675	677	678	681	690	704	722	744	761	774	773	760	735	716	697	682	676	672	671	670	672	674	702						124
MEANS FIVE DAYS † (G. M. T.)				673	674	675	677	678	681	692	704	719	736	751	762	766	758	734	708	691	682	671 677	669 674	670	673	672	673	700						
MEANS FIVE DAYS ‡ (G. M. T.)				659	662	664	666	666	666	668	679	697	716	738	729	730	716	701	683	667	656	648	636	636	646	640	649	676						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days August 20, 26 and 30

TABLE 162

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1925 — SEPTEMBER 1925

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	668	671	673	674	678	684	699	721	753	790	827	834	831	852	765	641	637	656	655	630	570	546	560	626	693	1	13	03 897	[22	02 540	357
2				612	634	636	638	630	646	658	664	700	733	758	771	752	726	691	666	657	652	648	646	647	653	662	666	673	1	11	23 793	0	07 602	191
3				658	657	655	657	658	659	687	715	766	805	833	823	795	749	721	694	663	662	654	647	636	649	650	669	698	0	10	37 854	20	20 631	223
4				651	655	659	660	663	667	682	699	738	774	807	804	815	787	752	701	681	669	665	663	657	659	665	664	702	0	11	57 825	0	54 647	178
5				666	666	661	664	669	673	692	715	743	780	798	806	775	756	714	675	662	662	664	670	658	652	651	655	697	0	11	30 827	21	33 648	179
6				659	662	663	667	671	673	681	698	724	761	782	807	810	779	729	699	679	666	664	657	663	648	669	646	698	0	12	07 814	21	32 640	174
7				648	657	667	667	670	675	691	704	709	747	758	739	743	736	699	674	653	646	655	657	657	657	656	656	684	0	10	10 776	16	57 640	136
8	✓			662	658	662	665	669	673	685	707	737	767	785	793	785	764	739	710	685	669	665	664	661	660	660	663	700	0	11	47 801	1	45 656	145
9				665	667	669	670	670	674	678	692	716	734	746	742	760	744	713	686	656	637	639	654	656	660	661	665	686	0	12	12 771	17	42 629	142
10	✓	✓		664	664	667	670	673	676	687	709	739	770	786	783	779	761	741	727	701	681	679	677	676	673	672	667	705	0	10	49 793	1	11 663	130
11	✓	✓		666	668	670	673	672	675	686	714	746	772	794	804	788	765	743	725	700	684	680	678	679	679	678	675	709	0	11	05 807	0	09 665	142
12	✓	✓		675	678	679	681	681	681	686	700	710	727	740	738	753	764	756	734	710	692	687	684	681	678	678	678	703	0	13	27 770	0	01 674	96
13	✓			679	679	681	679	682	683	697	725	761	786	796	785	773	751	746	746	715	696	694	690	691	687	667	668	715	0	10	40 800	23	14 650	150
14			✓	651	641	650	673	669	666	683	719	745	755	801	721	715	721	644	638	625	580	576	551	582	593	614	627	660	1	10	38 826	[19	36 540	286
15			✓	622	620	624	633	641	655	656	669	663	707	720	727	691	683	687	679	665	630	615	(631)	636	633	628	641	656	1	11	41 764	18	30 608	156
16				643	638	638	642	645	645	648	675	696	733	769	785	769	746	717	689	662	653	648	632	631	642	636	637	676	0	11	06 807	20	45 624	183
17				645	640	637	644	650	655	666	695	706	732	749	762	754	725	704	669	(653)	647	648	649	649	648	651	647	676	0	11	19 771	2	10 634	137
18				647	649	650	652	650	656	684	716	753	(787	805)	810	788	747	728	696	673	662	660	660	660	660	659	657	696	0	[11	14 816	0	45 645	[171
19	✓			659	663	659	662	659	661	667	698	741	795	826	836	805	768	732	691	667	660	665	664	663	659	660	659	701	0	11	02 845	2	35 656	189
20				666	665	666	664	671	666	668	690	737	789	824	843	835	812	758	701	682	675	672	669	667	702	665	644	710	0	11	48 851	23	59 611	240
21			✓	596	(556	550)	581	587	607	646	671	714	741	746	760	753	728	682	642	626	624	621	616	616	617	618	620	647	1	11	57 779	[2	— 524	255
22				626	627	623	641	635	638	633	658	713	749	787	818	802	772	(717)	686	647	635	636	642	638	635	635	647	677	0	11	02 834	2	38 615	219
23				640	638	640	644	646	644	641	658	703	757	800	823	825	798	745	699	652	636	647	652	684	663	600	606	685	0	11	33 833	22	45 583	250
24			✓	599	611	606	616	611	612	611	640	689	731	746	767	743	692	686	660	599	582	603	609	613	619	619	622	645	1	11	19 796	17	28 571	225
25				625	627	634	635	634	634	639	664	697	740	783	787	793	763	728	694	667	645	644	642	641	640	642	644	677	0	12	44 807	0	39 625	182
26				644	648	652	654	657	654	638	633	666	714	774	826	836	823	750	713	678	647	644	649	644	643	644	643	686	0	12	12 855	7	16 625	230
27	✓			647	651	650	649	652	652	656	675	711	766	814	845	841	805	761	711	679	662	657	655	653	652	652	652	698	0	11	53 850	0	05 645	205
28	✓			653	658	661	658	660	660	670	698	742	792	836	842	848	800	750	704	678	657	659	658	658	656	653	653	704	0	12	40 855	23	48 652	203
29	✓	✓		652	652	656	660	663	663	675	699	730	762	788	806	800	773	737	705	686	671	665	666	665	662	662	660	698	0	11	33 809	0	59 651	158
30	✓	✓		660	660	662	666	666	671	694	733	778	816	842	851	832	791	746	705	684	670	665	662	661	660	666	665	713	0	11	16 860	22	16 655	205
31																																		
MEANS ALL DAYS				648	649	650	655	656	659	669	692	724	760	787	795	786	763	726	692	667	654	652	651	650	650	648	651	689						191
MEANS TEN DAYS *				662	663	665	666	668	670	680	706	740	775	801	808	800	774	745	716	690	674	672	670	669	667	665	664	705						162
MEANS FIVE DAYS † (G. M. T.)				663	664	667	670	671	673	686	711	741	769	790	796	790	771	745	719	696	680	664 675	667 673	667	666	665	664	704						
MEANS FIVE DAYS ‡ (G. M. T.)				627	620	621	635	637	645	659	684	713	745	768	762	747	735	693	652	630	614	614	644	657	661	642	642	669						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 163

HORIZONTAL INTENSITY

OCTOBER 1925

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

OCTOBER 1925

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				673	678	680	683	681	687	697	727	757	799	813	819	804	770	743	722	696	675	672	660	659	662	660	661	712	0	10 55	844	20 38	658	186
2		✓		671	664	669	669	669	668	674	▽										▽	[678]	667	665	665	664	663							
3	✓	✓		664	665	666	666	666	665	667	699	745	798	829	833	812	775	729	692	673	676	670	659	652	650	648	651	702	0	11 16	839	22 10	646	193
4				652	652	659	662	664	664	656	673	723	759	805	804	774	754	703	653	633	629	647	656	655	649	650	651	684	0	10 20	840	16 44	616	224
5	✓			652	653	660	656	656	660	669	688	728	783	827	850	835	797	754	706	678	663	657	656	657	656	652	656	702	0	11 07	857	1 26	646	211
6	✓			649	649	648	658	662	663	667	667	714	757	792	802	782	750	725	705	685	677	676	672	669	667	664	664	694	0	11 10	824	2 22	646	178
7	✓			665	660	666	674	670	674	679	705	733	755	771	780	780	764	745	718	697	679	675	672	668	665	664	667	701	0	12 11	786	1 48	655	131
8				669	666	667	662	668	681	661	670	689	761	807	830	834	824	778	726	631	586	572	575	607	592	598	625	682	0	12 13	850	18 05	561	289
9			✓	639	640	644	640	644	642	639	639	661	707	736	779	764	737	700	641	604	588	603	622	615	618	617	621	656	0	11 32	808	17 45	583	225
10	✓			636	638	634	635	639	640	640	656	700	746	775	797	780	758	725	691	667	656	658	651	651	638	629	626	678	0	11 36	810	23 12	625	185
11				634	642	648	649	648	646	645	666	702	702	757	789	721	739	722	702	640	623	613	613	634	636	636	629	668	0	11 19	807	18 52	608	199
12			✓	637	648	653	647	651	660	674	668	703	737	786	834	785	740	691	677	666	658	655	654	649	645	645	642	684	0	11 34	854	0 10	635	219
13				653	651	647	654	653	646	645	668	722	768	803	829	822	755	734	702	681	661	641	647	641	637	641	633	689	0	11 49	847	21 34	626	221
14	✓			636	645	647	644	646	646	649	664	708	753	798	802	808	803	759	716	682	663	654	652	650	653	648	650	691	0	10 21	817	0 40	631	186
15				653	654	655	658	665	656	654	690	743	794	813	826	822	760	719	693	667	649	643	626	625	639	652	642	692	0	12 02	858	19 41	620	238
16				646	649	662	663	664	663	672	683	723	750	784	772	775	769	744	(713)	691	670	660	657	660	655	653	656	693	0	10 36	807	0 18	644	163
17				652	651	648	650	653	656	674	707	738	774	798	787	787	776	743	⊼											10 21	819			
18		✓																																
19																																		
20												⊼	799	809	801	▽						▽	655	649	646	641	637							
21			✓	635	634	637	647	642	643	⊼																								
22												⊼	719	778	751	709	737	⊼			⊼	648	⊼											
23			✓							⊼	612	625	669	690	689	713	⊼										⊼							
24			✓	564	593	602	628	606	607	611	640	687	704	736	760	711	705	705	696	678	645	626	621	616	611	615	615	649	1	10 47	860	0 24	558	302
25	✓			613	620	623	623	625	617	614	647	705	763	807	827	825	795	753	698	654	630	633	630	636	639	635	639	677	0	11 54	846	6 00	608	238
26	✓			637	637	644	641	645	639	619	636	686	738	772	797	789	772	747	718	691	661	645	642	641	640	637	634	680	0	12 07	819	6 25	609	210
27				635	636	638	642	647	649	662	690	714	736	735	753	720	680	712	705	680	644	627	628	638	636	631	629	669	0	11 16	811	12 55	612	199
28				631	634	637	637	640	643	657	680	716	721	734	733	711	697	699	694	681	662	649	649	644	645	642	642	670	0	11 02	760	0 01	629	131
29	✓	✓		639	638	641	645	647	651	668	696	722	743	757	740	727	717	703	689	685	669	662	660	656	653	650	647	679	0	10 25	783	1 05	637	146
30	✓	✓		647	658	656	654	652	657	672	705	742	788	806	807	782	749	720	699	684	671	667	662	661	660	656	656	696	0	11 15	812	0 48	642	170
31				660	660	663	666	672	675	686	733	746	792	825	813	774	693	696	678	677	666	655	650	638	607	579	626	689	0	11 02	867	22 26	567	300
MEANS ALL DAYS a)				643	646	650	652	653	654	657	678	716	755	786	799	780	752	726	697	670	652	646	644	644	641	639	642	684						206 a)
MEANS TEN DAYS *				644	646	648	650	651	651	654	676	718	762	793	804	792	768	736	703	680	664	660	656	654	652	648	649	690						185
MEANS THREE DAYS (G. M. T.) b) †				650	654	654	655	655	658	669	700	736	776	797	793	774	747	717	693	681	672	663 666	659 660	655	654	652	651	692						
MEANS TWO DAYS (G. M. T.) c) ‡				638	644	648	644	648	651	656	654	682	722	761	806	774	738	695	659	635	623	629	594	620	614	617	627	666						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = THREE INTERNATIONAL QUIET DAYS
‡ = TWO INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-three days only, omitting incomplete days October 2 and 17 to 23
b) Omitting incomplete Greenwich days October 2 and 18
c) Omitting incomplete Greenwich days October 21, 23 and 24

TABLE 164

HORIZONTAL INTENSITY

NOVEMBER 1925

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	639	632	628	628	636	637	639	673	697	744	769	790	792	773	724	681	657	657	657	636	639	639	645	643	677	0	12	47 813	0	01 618	195
2			✓	648	650	647	642	643	643	645	674	710	754	799	784	783	720	692	656	639	630	622	625	628	628	627	629	672	0	12	49 881	18	38 619	262
3				633	642	651	649	647	646	654	677	707	740	762	765	732	716	700	667	659	653	653	651	648	649	650	648	675	0	11	30 780	0	01 629	151
4	✓			649	650	648	647	648	649	654	680	717	760	779	778	758	732	707	691	678	662	644	648	651	653	653	651	683	0	10	25 786	18	36 642	144
5	✓	✓		652	652	654	654	655	655	662	690	734	784	815	821	798	756	714	681	664	664	665	663	659	656	657	656	694	0	11	27 825	0	01 651	174
6				652	653	657	Δ			Δ	664	690	743	775	794	788	776	733	701	680	663	658	660	658	656	658	Δ		0	11	51 802			
7										Δ	655	705	737	775	769	782	777	764	728	698	671	667	665	666	668	663	664		0	12	31 790			
8				667	669	673	669	670	675	673	674	695	714	735	746	770	768	757	709	655	599	Δ					Δ		1	12	36 789			
9			✓	601	593	598	604	617	630	641	658	662	695	671	707	701	663	613	612	612	[570	562]	581	595	585	584	591	623	1	9	19 738	[18	— 555	183]
10			✓	600	599	605	614	618	622	638	670	703	716	711	691	669	653	651	630	605	584	600	619	604	597	592	601	633	0	9	30 737	17	26 581	156
11				604	615	620	624	630	639	654	641	688	722	748	756	754	736	723	702	681	654	644	642	644	636	636	637	668	0	12	28 774	0	18 599	175
12				637	636	637	639	640	641	670	702	724	735	740	729	699	690	687	685	675	664	657	653	648	644	632	633	671	0	10	23 747	23	06 629	118
13				642	642	642	644	643	647	659	684	718	725	741	729	701	691	683	643	640	643	642	640	635	637	638	639	664	0	10	24 753	20	26 633	120
14			✓	642	633	632	642	639	647	664	684	738	722	767	702	604	668	696	655	664	647	638	638	635	632	633	632	661	1	10	46 838	12	10 571	267
15				635	633	628	626	629	635	651	679	721	758	765	767	713	667	650	651	641	640	638	635	636	635	634	634	663	0	10	32 792	3	29 625	167
16	✓			634	636	637	639	637	641	656	689	735	767	792	782	760	731	(702)	675	655	646	643	640	643	641	639	639	677	0	10	47 796	0	32 633	163
17				640	645	643	644	646	650	655	683	708	741	754	757	727	711	(711)	684	673	662	652	649	649	648	648	645	676	0	11	26 768	0	28 638	130
18	✓			648	648	648	647	646	649	653	681	730	769	788	794	752	738	708	(690)	677	665	655	650	646	644	645	646	684	0	11	33 808	22	20 643	165
19	✓			646	646	652	655	655	654	666	699	747	789	809	825	805	763	741	701	683	667	658	657	656	653	652	651	697	0	11	43 833	1	22 644	189
20				654	655	658	659	659	663	683	708	745	790	805	788	769	720	696	682	675	663	658	657	658	659	660	657	693	0	11	05 825	0	09 653	172
21	✓	✓		658	659	659	661	664	671	678	701	739	760	760	743	720	688	670	657	665	670	670	664	661	663	661	659	683	0	9	13 774	15	09 648	126
22		✓		657	662	667	669	672	676	683	705	724	752	781	778	775	744	731	708	699	684	677	673	670	664	667	665	699	0	10	30 813	0	57 655	158
23				662	661	662	660	658	662	668	654	708	756	759	756	756	755	730	720	706	680	664	656	663	667	666	665	691	0	10	50 792	7	10 647	145
24				663	661	660	660	663	670	683	719	765	814	799	757	748	743	738	704	693	673	660	658	660	665	673	671	700	1	10	57 899	18	09 653	246
25				667	671	667	664	667	666	672	692	731	772	756	766	750	730	690	687	688	676	668	662	659	658	662	655	691	0	9	44 813	23	33 653	160
26				660	661	658	658	661	666	666	676	704	729	729	725	726	697	690	681	679	672	666	664	664	664	665	666	680	0	10	13 747	0	01 655	92
27	✓	✓		664	665	665	666	669	679	689	714	747	770	766	761	752	725	709	705	693	687	680	674	673	672	668	667	698	0	9	31 779	0	55 663	116
28	✓	✓		669	665	666	663	663	665	669	681	716	748	765	750	736	709	686	670	661	663	667	667	666	666	666	665	685	0	10	05 774	16	39 658	116
29	✓			664	661	662	666	667	674	693	720	743	762	769	757	725	697	684	673	670	668	671	673	672	669	663	667	690	0	11	05 780	1	56 660	120
30	✓			671	672	672	671	674	683	686	701	731	763	791	796	769	733	706	691	687	678	671	670	669	669	668	668	700	0	11	24 801	0	08 666	135
31																																		
MEANS ALL DAYS a)				646	646	647	648	650	654	664	686	722	753	766	761	740	717	697	677	667	656	651	650	649	648	648	647	679						a) 161
MEANS TEN DAYS ✲				656	655	656	657	658	662	671	696	734	767	783	781	758	727	703	683	673	667	662	661	660	658	657	657	689						145
MEANS FIVE DAYS (G. M. T.) †				660	661	662	663	665	669	676	698	732	763	777	771	756	724	702	684	676	674	664 672	661 668	661	662	661	660	691						
MEANS FOUR DAYS (G. M. T.) b) ‡				632	628	628	632	634	637	646	675	712	734	762	742	712	704	691	656	641	630	629	627	627	617	612	625	660						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-seven days only, omitting incomplete days November 6, 7 and 8

b) Omitting incomplete Greenwich day November 9

TABLE 165

HORIZONTAL INTENSITY

DECEMBER 1925 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — DECEMBER 1925

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				671	670	665	667	668	666	674	693	743	786	812	810	781	749	709	689	661	675	692	690	676	676	672	673	703	0	11	20 833	15	49 642	191
2	✓			673	673	677	679	683	679	677	708	744	763	801	797	774	735	706	684	680	677	676	676	675	676	678	678	703	0	11	23 810	6	12 669	141
3	✓	✓		677	677	677	674	672	672	670	682	730	763	789	802	795	761	715	685	674	668	669	675	674	674	674	677	701	0	11	09 808	6	38 656	152
4				678	680	674	675	684	676	675	699	698	748	792	784	770	748	720	701	684	675	674	672	668	668	664	661	699	0	10	39 804	8	42 654	150
5	✓			662	666	664	668	671	672	670	688	712	745	773	793	782	782	759	714	672	646	653	668	666	657	648	636	694	0	11	36 798	23	16 631	167
6			✓	646	648	658	664	655	651	617	600	626	626	734	624	698	708	685	671	651	641	637	633	634	634	638	631	650	1	10	14 771	8	57 562	209
7			✓	627	633	632	630	636	645	651	656	700	715	736	721	725	729	698	687	672	655	647	644	646	645	643	643	667	0	10	27 771	0	27 624	147
8				642	640	636	634	634	637	639	640	655	689	723	742	742	722	705	694	677	664	654	648	645	646	650	648	667	0	12	44 750	7	20 626	124
9				649	647	649	648	647	650	661	671	693	710	732	747	735	709	706	697	685	676	665	659	658	657	655	653	677	0	11	07 755	4	13 644	111
10				651	649	652	653	652	662	671	706	720	741	778	749	687	672	651	654	666	653	647	644	641	641	642	643	672	0	10	13 802	14	50 631	171
11				645	646	648	651	656	658	649	667	697	747	773	769	753	724	706	691	670	648	648	655	651	649	648	648	679	0	11	01 781	17	40 639	142
12	✓			649	652	652	651	650	660	673	694	712	748	755	764	773	742	684	660	663	666	662	647	632	642	646	647	681	0	11	50 805	20	09 630	175
13	✓			651	651	647	647	651	654	661	691	716	746	752	753	728	688	666	648	641	638	650	657	653	654	652	650	673	0	11	21 774	17	00 621	153
14	✓	✓		649	646	645	645	646	657	677	715	757	823	832	810	778	726	667	636	641	656	664	662	659	656	656	657	690	0	10	41 840	16	08 628	212
15				655	654	652	650	648	652	668	691	(726	756)	773	753	710	664	663	640	(623)	608	599	599	608	612	613	615	660	0	10	46 803	18	28 597	206
16				618	622	627	631	633	645	666	689	743	778	807	803	775	717	670	663	665	663	656	Δ						0	11	11 819			
17		✓						Δ	659	674	698	739	775	794	799	779	743	727	715	707	690	675	675	674	671	666	666		0	11	46 810			
18			✓	667	666	663	665	672	681	681	692	716	747	778	761	669	652	705	676	684	669	651	648	650	650	652	652	681	1	10	31 819	13	30 621	198
19				654	656	655	651	645	648	638	650	687	773	815	850	837	795	748	715	684	671	663	654	651	643	642	638	694	0	11	57 879	6	58 630	249
20	✓			629	640	653	646	646	650	639	652	686	729	779	804	811	788	758	726	697	666	654	652	651	649	651	651	688	0	12	38 815	0	26 625	190
21	✓	✓		654	654	653	652	651	647	636	638	677	728	767	804	800	757	717	691	674	659	652	651	656	655	655	653	683	0	12	10 821	7	21 630	191
22	✓			655	658	661	660	659	660	660	668	697	732	776	781	804	782	746	718	695	676	664	669	663	661	659	660	694	0	12	29 821	0	05 652	169
23				661	660	663	665	669	674	678	689	691	751	800	792	762	752	768	753	706	691	673	666	653	652	643	640	698	0	11	09 831	23	43 639	192
24				641	644	647	648	649	653	657	663	752	719	766	785	761	759	749	736	698	672	666	664	659	657	658	660	690	1	11	29 817	0	05 639	178
25				658	657	655	656	663	675	661	688	711	722	721	744	680	673	687	700	700	692	680	674	674	670	668	667	683	1	11	32 764	3	29 654	110
26	✓	✓		665	663	663	662	664	675	694	717	740	758	769	759	736	717	684	676	676	677	679	677	676	670	668	667	693	0	10	46 772	3	36 661	111
27			✓	667	663	660	660	663	671	688	705	740	792	846	805	750	695	639	608	611	606	618	625	621	621	632	643	676	0	9	58 884	15	01 577	307
28			✓	651	625	606	609	[563	548	576]	627	682	751	731	711	720	668	649	641	625	610	605	611	609	607	612	612	635	1	10	20 800	[6	– 539	261]
29				618	618	616	615	617	625	642	655	685	751	755	764	757	704	672	659	632	611	609	621	626	624	626	624	655	0	12	03 790	17	45 603	187
30				624	628	629	629	625	633	649	684	740	788	816	804	776	741	689	664	646	643	646	653	646	644	644	647	679	0	10	44 839	4	32 622	217
31				648	648	654	649	651	657	677	687	722	780	812	800	737	708	658	618	621	633	644	643	641	644	643	646	676	0	10	33 821	15	57 607	214
MEANS ALL DAYS a)				652	652	652	652	651	655	660	676	709	746	775	772	753	726	700	680	666	656	653	653	650	649	649	649	681						a) 180
MEANS TEN DAYS ✲				656	658	659	658	659	663	666	685	717	754	779	789	778	748	710	684	671	663	662	663	660	659	659	658	690						166
MEANS FOUR DAYS (G. M. T.) † b)				661	660	660	658	658	663	669	688	726	768	789	794	777	740	696	672	666	665	665 666	665 666	663	662	662	662	691						
MEANS FIVE DAYS (G. M. T.) ‡				652	647	644	646	638	639	643	656	693	726	765	724	712	690	675	657	649	636	632	656	654	651	650	649	666						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 16 and 17

b) Omitting incomplete Greenwich day December 17

TABLE 166

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1925 — JANUARY 1925

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				497	497	498	498	499	500	501	503	501	503	504	498	481	470	471	472	477	485	489	494	495	495	496	495	492	0	10 15	506	13 39	469	37
2	✓			495	496	496	497	497	496	497	504	514	514	511	501	491	486	480	480	484	491	494	496	497	497	497	496	496	0	8 50	515	15 00	479	36
3				494	494	494	495	496	494	495	501	510	514	522	526	523	510	506	507	504	500	496	496	496	496	495	495	502	0	11 30	527	3 12	493	34
4		✓		495	496	496	498	498	497	497	499	501	500	499	496	495	498	491	488	494	495	494	495	494	493	493	492	496	0	9 00	502	15 15	485	17
5				492	492	492	495	496	496	499	506	510	512	512	510	508	508	511	510	507	499	495	496	497	497	497	496	501	0	10 00	514	0 18	491	23
6	✓			495	495	496	498	498	496	495	495	497	500	502	502	498	494	492	494	498	496	497	496	496	496	496	496	497	0	11 42	503	15 00	490	13
7				496	495	496	497	498	496	500	509	513	512	509	502	496	499	499	502	501	502	499	498	496	496	496	496	500	0	8 30	514	5 53	495	19
8	✓			497	498	498	499	499	498	498	498	498	499	502	503	502	499	499	491	486	490	494	496	496	496	496	495	497	0	11 34	505	16 08	485	20
9				496	497	497	499	499	499	503	513	523	531	524	513	504	507	508	507	506	505	502	500	499	499	499	499	505	0	9 30	532	0 30	496	36
10	✓	✓		499	499	500	501	501	500	496	496	497	503	514	517	509	493	487	494	504	504	500	500	500	499	500	499	500	0	11 36	518	14 16	486	32
11	✓	✓		500	499	501	503	503	500	500	501	503	508	506	500	498	503	511	500	500	500	499	499	498	499	499	499	501	0	14 27	513	12 34	497	16
12	✓			499	500	500	501	502	499	496	497	500	503	504	497	488	480	482	487	496	499	499	500	499	499	499	497	497	0	10 27	506	13 45	479	27
13				497	497	497	499	499	499	503	506	507	510	510	504	496	504	506	506	508	504	501	500	499	499	498	498	502	0	10 04	513	12 33	493	20
14	✓			499	499	499	499	500	500	500	499	499	501	506	503	496	499	500	496	497	500	500	503	503	503	501	500	500	0	10 45	507	12 37	494	13
15				500	500	500	501	503	502	501	505	510	508	507	506	508	514	518	519	515	511	503	502	503	502	502	502	506	0	15 09	521	6 32	499	22
16			✓	501	502	501	502	503	504	501	⊼									⊼	505	501	501	499	499	497	495		1					
17			✓	493	497	497	498	499	499	500	508	507	509	513	509	506	503	(502)	493	(493)	503	501	504	504	506	505	504	502	1	10 40	514	[16 30	492	22]
18				503	503	503	505	505	504	499	500	501	498	501	498	479	469	466	469	485	494	499	502	503	503	503	502	496	1	4 06	506	14 36	464	42
19			✓	503	504	504	504	505	505	508	516	518	513	511	515	518	515	508	504	501	504	503	503	504	503	504	504	507	1	8 14	520	16 36	500	20
20			✓	503	504	504	505	507	508	508	513	517	518	522	516	512	509	506	502	504	506	506	507	506	505	505	505	508	0	10 36	527	15 36	501	26
21				505	505	506	506	507	508	508	509	506	509	515	514	508	498	487	486	487	494	498	500	501	502	502	503	503	0	10 52	517	15 19	484	33
22				504	504	505	506	507	505	502	500	497	502	511	500	494	499	502	505	505	506	508	508	507	505	505	505	504	0	10 29	512	12 37	493	19
23			✓	506	506	507	508	507	507	506	512	517	526	528	532	525	517	514	512	505	504	504	505	504	504	505	505	511	0	11 49	536	18 24	502	34
24				504	506	508	509	509	510	511	508	505	506	509	506	502	503	501	501	502	505	509	508	507	507	508	508	506	0	10 55	512	12 06	498	14
25	✓	✓		508	508	509	510	511	512	512	511	508	513	521	526	529	527	524	515	507	505	508	508	508	508	508	509	513	0	12 06	530	17 00	504	26
26				509	510	510	511	511	511	509	511	515	514	515	514	506	501	501	509	511	508	509	511	510	509	508	508	510	0	11 58	516	13 53	498	18
27				509	510	510	511	511	511	509	511	513	512	514	509	508	515	515	509	506	508	508	511	511	509	509	509	510	0	13 53	516	16 19	504	12
28	✓	✓		509	508	509	511	511	510	508	507	508	510	517	504	486	481	483	490	497	504	506	508	508	508	506	507	504	0	10 17	519	13 07	479	40
29				507	507	508	510	511	510	508	509	508	511	515	515	504	496	494	498	503	507	508	508	508	508	507	507	507	0	10 50	518	14 14	493	25
30				506	506	507	508	508	508	508	512	514	517	519	514	511	503	490	481	482	495	504	508	508	508	508	508	506	0	10 32	522	16 00	480	42
31	✓			508	507	508	509	510	510	509	511	517	523	522	518	518	515	506	501	501	504	508	509	508	508	508	508	510	0	9 30	525	15 36	500	25
MEANS ALL DAYS a)				501	501	502	503	504	503	503	506	508	510	512	509	503	500	499	498	499	501	501	502	502	502	502	502	503						25 a)
MEANS TEN DAYS *				501	501	502	503	503	502	501	502	504	507	510	507	502	498	496	495	497	499	500	502	501	501	501	501	502						25
MEANS FIVE DAYS † (G. M. T.)				502	502	503	505	505	504	503	503	503	507	511	509	503	500	499	497	500	502	503 503 501	503 502	503	502	502	502	503						
MEANS FOUR DAYS ‡ (G. M. T.) b)				501	503	503	504	504	505	506	512	515	516	518	518	515	511	508	503	501	504	504	504	503	502	502	502	507						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day January 16

b) Omitting incomplete Greenwich day January 16

TABLE 167

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1925

FEBRUARY 1925

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			508	508	508	509	510	511	508	511	515	519	518	523	526	527	519	512	501	497	504	507	510	511	511	510	512	0	13	12	529	17	18	495	34
2	✓			509	509	510	511	511	510	507	505	505	507	505	508	511	511	508	499	501	504	506	509	511	511	511	511	508	0	13	33	512	15	33	497	15
3	✓	✓		510	510	510	511	511	511	509	508	504	498	498	504	510	513	510	500	496	497	505	510	512	511	511	511	507	0	13	30	514	9	54	494	20
4	✓	✓		511	511	511	511	511	511	513	522	526	528	521	517	514	513	511	508	504	504	506	510	511	511	511	511	513	0	9	09	529	16	45	503	26
5				511	511	511	511	511	511	509	514	522	521	522	522	511	504	501	500	500	505	509	511	511	511	511	511	511	0	8	33	524	16	06	498	26
6				511	511	511	512	512	511	508	511	513	514	515	515	514	510	504	503	505	506	509	512	512	511	511	512	511	0	10	30	517	15	21	502	15
7				512	513	513	514	513	511	507	510	517	525	529	528	518	509	503	501	505	508	511	513	512	511	511	510	513	0	10	32	531	15	08	498	33
8			✓	510	511	511	513	513	512	508	508	507	510	514	518	521	522	517	516	511	510	508	510	510	509	509	510	512	1	13	03	524	7	50	506	18
9			✓	510	507	509	510	513	511	510	512	514	515	518	523	523	522	523	521	516	516	517	515	514	515	515	515	515	1	12	15	525	1	40	506	19
10				515	514	514	515	515	514	513	518	523	521	517	515	514	513	508	503	501	501	504	510	511	511	511	511	512	0	8	55	524	17	09	499	25
11				511	511	512	513	514	513	510	510	514	516	517	519	518	519	525	530	526	521	517	517	515	514	515	516	516	0	15	11	531	6	24	509	22
12				514	514	514	515	515	514	513	513	512	509	504	496	494	499	503	503	503	504	510	513	513	512	512	513	509	0	3	30	516	12	40	492	24
13				513	514	514	514	514	512	510	512	525	528	526	520	518	518	517	512	511	512	514	515	516	517	517	517	516	0	10	03	529	16	00	509	20
14				516	516	517	517	517	517	517	522	525	524	520	516	508	504	505	502	507	510	511	514	515	515	515	516	514	0	8	52	526	15	30	501	25
15	✓			515	515	515	515	516	516	514	520	529	538	536	530	522	512	511	508	510	512	514	517	518	517	517	517	518	0	9	48	540	15	48	506	34
16				515	515	515	515	517	517	514	516	516	517	513	511	512	517	(509)	509	(514)	513	515	516	517	517	518	516	515	0	9	31	518	[14	50	505	13]
17				516	515	515	516	517	516	514	519	524	533	535	530	526	527	525	519	516	516	516	518	518	517	517	516	520	0	10	27	536	6	21	513	23
18				517	518	518	517	517	517	515	521	527	527	524	527	529	533	529	524	520	519	520	520	519	519	519	519	521	0	13	36	534	6	14	515	19
19				519	519	519	519	519	518	515	514	522	527	530	533	532	529	527	521	517	517	517	517	518	518	518	517	521	1	11	30	535	7	06	512	23
20				515	515	516	517	517	517	520	528	531	528	523	520	520	523	520	511	509	512	514	515	515	515	516	517	518	0	8	39	532	16	22	508	24
21	✓	✓		517	516	516	517	517	516	516	520	525	523	516	506	505	507	509	510	511	513	516	516	516	516	516	517	515	0	8	49	526	11	54	503	23
22	✓	✓		516	516	516	516	517	516	515	520	524	522	518	517	512	512	512	512	511	514	517	516	516	515	515	516	516	0	8	15	525	16	39	511	14
23	✓	✓		516	517	516	516	517	516	516	519	522	522	522	522	516	517	521	519	513	511	515	518	516	515	516	515	517	0	8	28	524	17	31	507	17
24			✓	516	516	516	516	516	516	515	516	519	521	520	516	512	508	509	511	510	512	516	518	516	513	513	513	515	0	9	28	521	13	58	507	14
25			✓	513	513	513	514	516	517	518	522	527	527	526	521	517	517	516	514	513	513	515	516	516	515	515	515	517	0	9	11	528	1	26	512	16
26	✓			514	514	515	515	516	516	515	518	519	517	515	515	517	524	524	518	518	518	515	515	515	515	515	515	517	0	13	54	526	10	30	514	12
27	✓			515	515	515	516	516	517	519	527	538	544	548	548	548	541	534	524	518	518	518	518	518	517	516	516	525	0	10	12	549	0	06	515	34
28			✓	516	515	517	518	518	518	518	523	525	523	523	521	523	525	518	511	509	511	512	515	516	517	516	515	518	0	13	24	526	16	54	509	17
29																																				
30																																				
31																																				
MEANS ALL DAYS				514	514	514	514	515	514	513	516	520	522	520	519	518	517	515	511	510	510	513	514	515	514	514	514	515								22
MEANS TEN DAYS ✱				513	513	513	514	514	514	513	517	521	522	520	519	518	518	516	511	508	509	512	514	514	514	514	514	515								23
MEANS FIVE DAYS † (G. M. T.)				514	514	514	514	515	514	514	518	520	519	515	513	511	512	513	510	507	508	512 512	513 514	514	514	514	514	514								
MEANS FIVE DAYS ‡ (G. M. T.)				513	512	513	514	515	515	514	516	518	519	520	520	519	519	517	515	512	512	514	515	514	513	513	513	515								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 63

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MARCH 1925 — MARCH 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	514	515	516	517	518	518	517	522	523	526	526	525	522	522	521	521	518	517	518	518	518	518	518	517	519	0	10 00	527	0 17	513	14
2				517	518	518	518	519	520	521	525	526	524	521	519	520	518	518	513	511	510	512	515	515	515	515	516	518	0	8 00	527	18 28	509	18
3	✓	✓		516	517	517	518	518	517	517	521	524	524	524	523	525	526	521	519	518	518	516	515	515	515	515	516	519	0	13 09	527	21 00	514	13
4				515	515	516	517	517	517	517	523	522	520	520	515	515	519	516	514	512	512	514	515	515	515	515	515	516	0	7 33	525	16 07	511	14
5			✓	514	514	516	517	517	516	514	514	518	522	528	528	527	527	527	523	520	517	516	516	516	515	515	515	519	0	11 02	529	6 18	508	21
6				515	516	517	518	518	517	516	518	518	521	522	521	517	517	518	516	515	516	515	515	514	515	515	515	517	0	10 48	524	20 02	514	10
7	✓			516	516	517	517	518	518	517	517	519	521	525	527	528	530	533	529	522	519	517	517	517	517	517	517	520	0	14 24	534	0 27	515	19
8	✓	✓		517	517	517	518	519	519	518	515	513	512	512	511	514	516	517	517	515	514	516	517	516	516	517	516	516	0	4 45	520	11 24	510	10
9			✓	517	514	516	516	519	519	516	517	517	513	513	516	515	515	517	517	517	518	519	519	517	518	519	519	517	1	4 55	520	1 14	511	9
10			✓	519	518	519	519	520	520	519	519	518	516	514	512	516	514	514	516	516	517	518	519	519	519	518	517	517	0	5 25	522	11 22	511	11
11				518	518	518	518	519	519	518	519	520	523	522	522	521	521	519	515	516	515	516	517	517	518	518	518	519	0	9 42	524	15 26	514	10
12				518	518	519	520	520	520	521	529	535	535	535	536	535	533	526	521	521	518	516	517	518	518	518	519	524	0	11 33	538	18 27	515	23
13	✓			519	519	519	521	521	521	521	524	527	532	535	533	526	522	520	516	516	516	516	518	519	519	519	519	522	0	10 36	536	16 04	514	22
14				519	519	519	521	522	521	520	519	521	523	525	526	524	521	514	(507)	508	513	517	519	519	519	519	519	519	0	11 14	527	[15 48	506	21]
15			✓	518	517	519	520	521	520	519	524	526	527	530	528	524	521	513	507	507	511	514	517	517	518	518	518	519	0	10 03	531	16 03	506	25
16				518	518	519	521	521	520	519	516	518	524	530	530	533	528	523	(514)	509	513	516	519	519	518	519	519	520	0	12 30	534	16 36	508	26
17	✓			518	518	518	520	520	520	520	517	517	519	521	522	519	514	507	505	504	507	513	515	516	517	517	517	516	0	11 13	523	16 03	503	20
18	✓	✓		517	517	518	518	520	520	518	520	526	532	540	542	539	534	530	527	522	519	515	514	514	515	516	516	523	0	10 59	543	19 12	513	30
19				516	515	516	517	518	519	516	514	512	514	517	520	520	520	520	523	523	520	519	518	517	517	518	517	518	0	15 49	524	8 50	511	13
20				517	517	517	518	520	520	518	517	515	515	516	519	524	524	522	516	515	515	515	516	515	516	517	517	518	1	13 00	528	16 04	514	14
21				517	518	518	519	520	521	521	521	520	520	520	523	526	525	521	518	518	518	519	520	518	519	520	522	520	0	12 30	527	0 18	517	10
22	✓			523	523	522	523	522	522	520	516	513	513	516	521	521	520	519	522	523	522	520	520	520	521	520	520	520	0	16 44	525	8 43	512	13
23				520	520	520	520	522	521	520	522	524	523	525	527	530	534	534	530	526	524	523	520	520	520	520	520	524	0	14 14	538	6 12	519	19
24				519	520	522	523	523	523	523	522	519	514	511	510	510	508	504	503	508	511	516	517	517	517	517	517	516	0	4 17	524	15 36	502	22
25	✓			517	519	519	521	521	521	521	521	520	522	521	523	523	521	517	516	515	516	519	519	519	519	519	520	520	0	12 31	524	16 04	514	10
26				520	521	521	522	523	523	523	524	522	523	525	520	512	504	496	494	497	506	514	516	516	516	516	517	515	0	10 30	527	15 36	493	34
27				518	518	518	519	520	519	519	524	526	528	528	531	528	522	516	516	517	519	520	519	519	519	520	520	521	0	11 45	533	15 03	514	19
28	✓	✓		520	519	520	522	522	522	523	523	522	522	522	522	522	522	519	518	518	520	520	519	519	520	521	521	521	0	7 15	523	15 25	517	6
29				521	521	521	522	522	522	522	523	523	527	531	534	538	534	524	519	518	519	518	518	518	521	521	522	523	0	12 43	539	18 20	517	22
30				521	521	522	522	523	522	524	524	519	519	522	527	532	530	524	517	515	516	518	519	519	521	520	521	522	0	12 48	534	16 30	515	19
31	✓	✓		519	521	522	522	522	522	523	525	530	533	537	541	541	534	522	516	513	515	519	521	521	523	522	521	524	0	12 00	543	16 30	512	31
MEANS ALL DAYS				518	518	519	519	520	520	519	520	521	522	524	524	524	522	519	516	515	516	517	518	517	518	518	518	519						18
MEANS TEN DAYS ✲				518	519	519	520	520	520	520	520	521	523	525	526	526	524	520	518	517	517	517	518	518	518	518	518	520						17
MEANS FIVE DAYS † (G. M. T.)				518	518	519	520	520	520	520	521	523	525	527	528	528	526	522	519	517	517	516 517	517 517	517	518	518	518	521						
MEANS FIVE DAYS ‡ (G. M. T.)				516	516	517	518	519	519	517	519	520	521	522	522	521	520	518	517	516	516	517	517	517	517	517	517	518						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 169

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1925 — APRIL 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				521	521	522	522	521	524	520	516	516	513	516	518	514	512	508	510	515	518	521	521	521	521	521	521	518	0	5 15	525	14 54	507	18
2				520	521	522	522	524	524	522	521	521	521	523	527	527	523	516	513	511	516	518	518	519	520	520	519	520	1	11 44	531	16 03	509	22
3			✓	519	519	520	521	520	521	521	519	520	521	521	522	521	518	509	508	510	515	517	518	517	518	518	518	518	1	11 52	524	14 56	505	19
4	✓	✓		519	519	519	520	520	520	518	517	518	523	527	533	537	537	531	526	524	521	519	518	518	519	519	519	523	0	13 04	539	7 45	516	23
5				519	519	519	520	521	522	521	519	519	521	521	524	526	528	527	524	521	518	516	516	515	515	516	516	520	0	13 15	529	20 40	514	15
6				516	518	517	518	518	518	516	517	522	524	527	531	531	530	534	530	525	520	519	517	516	516	517	516	521	0	14 43	535	20 58	514	21
7				516	516	519	519	518	518	516	516	516	521	524	523	524	525	527	528	527	522	517	516	517	516	516	518	520	0	15 16	529	21 15	515	14
8				518	518	519	519	519	519	517	519	519	519	517	511	510	513	513	513	513	514	514	514	515	516	516	517	516	0	2 06	519	12 18	509	10
9			✓	516	517	517	519	519	519	519	519	519	517	516	516	512	510	508	512	513	516	516	515	514	516	516	514	516	0	4 09	520	13 55	505	15
10			✓	516	516	518	519	519	518	519	522	525	527	528	527	525	525	526	525	522	519	518	516	516	519	516	516	521	0	10 03	530	22 52	513	17
11				517	517	519	519	519	519	519	520	522	525	526	522	521	519	519	519	519	518	518	516	515	515	515	518	519	0	10 21	527	22 35	514	13
12				518	518	519	520	521	522	524	526	525	519	518	519	513	507	509	509	512	518	520	519	519	518	518	518	518	0	7 56	527	13 43	505	22
13	✓			518	518	519	520	521	521	521	520	516	514	515	518	518	512	511	514	518	520	520	518	519	520	520	519	518	0	6 42	523	14 27	510	13
14	✓			519	520	520	520	520	521	521	523	526	527	526	526	520	518	515	(508)	505	509	513	515	517	519	520	520	519	0	9 00	529	[16 —	504	25]
15			✓	520	519	520	521	521	520	520	521	529	538	552	564	567	557	543	532	524	523	523	523	523	523	523	523	530	0	12 06	569	6 00	519	50
16				524	523	523	523	523	526	527	527	529	525	520	517	512	503	499	(497)	501	509	515	516	518	519	520	521	517	0	8 22	529	15 42	495	34
17	✓	✓		521	521	521	521	522	523	524	524	522	519	514	519	520	518	520	522	521	521	521	520	521	522	521	521	521	0	6 30	525	10 27	512	13
18	✓			522	522	523	522	522	524	524	521	519	517	517	517	516	512	512	516	517	518	519	519	520	520	519	519	519	0	6 00	525	13 24	511	14
19	✓	✓		521	522	522	522	523	525	525	527	527	526	526	523	518	519	515	508	510	515	516	517	519	521	521	521	520	0	8 06	528	15 44	505	23
20			✓	[521]	⊠					⊠	523	523	522	525	527	527	531	527	522	522	522	521	520	521	522	521	521		0	13 17	533			
21				522	522	523	524	525	526	526	528	530	534	537	541	543	544	539	534	526	521	520	521	521	522	523	524	528	0	13 08	545	18 24	519	26
22	✓			524	525	525	525	525	527	528	528	529	529	528	525	525	525	527	520	516	518	520	520	520	521	521	521	524	0	9 09	530	16 30	515	15
23	✓			521	523	524	525	526	527	527	528	530	529	531	530	521	513	506	(509)	511	517	520	520	521	522	522	522	522	0	11 37	532	14 48	504	28
24	✓	✓		522	524	525	525	525	526	527	528	526	522	522	519	515	517	522	522	519	521	521	521	522	523	523	523	522	0	7 21	529	12 26	512	17
25	✓	✓		523	524	524	525	525	526	526	522	518	518	520	521	520	517	518	519	519	520	521	521	522	522	523	523	522	0	6 17	527	8 44	516	11
26				524	524	⊠					⊠	523	518	518	521	516	516	518	517	516	520	521	521	522	522	523	523		0			16 10	514	
27				523	523	524	524	524	525	525	526	527	(527	528)	529	526	526	527	526	527	526	525	523	524	524	525	524	525	0	11 14	530	0 00	522	8
28				525	526	526	527	(527	527	527)	527	528	531	530	524	516	513	514	516	519	522	523	523	524	525	525	524	524	0	9 51	532	13 36	510	22
29				524	524	525	526	527	527	529	530	533	530	526	523	524	524	523	522	523	523	523	523	525	525	525	525	525	0	7 45	534	15 56	521	13
30				524	525	525	525	527	527	527	526	524	525	524	526	527	527	524	523	523	523	524	524	525	526	525	525	525	0	12 54	529	17 00	521	8
31																																		
MEANS ALL DAYS[a]				520	521	521	522	522	523	523	523	523	524	524	525	523	521	519	518	518	519	519	519	519	520	520	520	521						19[a]
MEANS TEN DAYS ✲				521	522	522	522	523	524	524	524	523	522	523	523	521	519	518	516	516	518	519	519	520	521	521	521	521						18
MEANS FIVE DAYS † (G. M. T.)				521	522	522	523	523	524	524	524	522	522	522	523	522	522	521	519	519	520	518 520	519 519	520	520	520	521	521						
MEANS FOUR DAYS[c] ‡ (G. M. T.)				518	516	519	520	520	520	520	520	523	526	529	532	531	528	522	519	517	518	518	516	516	518	518	518	521						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

[a] Twenty-eight days only, omitting incomplete days April 20 and 26 [c] Omitting incomplete Greenwich day April 20

TABLE 170

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1925 — MAY 1925

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			525	525	526	526	526	527	527	527	528	528	529	532	535	532	529	526	524	524	524	525	525	525	525	525	527	0	12 30	537	16 45	522	15
2		✓		525	▽					▽	522	518	514	514	517	522	528	529	525	523	523	523	523	524	524	524	524		0	14 16	532	10 00	513	19
3				524	525	525	525	526	526	523	520	518	518	523	525	523	524	524	522	523	525	524	523	525	525	525	525	524	0	17 30	528	9 18	517	11
4			✓	525	525	523	524	525	527	523	523	519	517	513	517	519	522	523	521	521	522	522	524	526	524	525	526	522	1	5 09	531	10 30	511	20
5			✓	526	525	526	526	526	526	527	525	523	519	520	523	528	530	534	530	524	523	523	524	524	525	524	524	525	0	14 36	535	9 35	519	16
6				525	525	525	525	525	525	524	519	516	513	517	520	522	524	523	522	522	522	522	523	524	524	524	524	522	0	6 35	526	9 24	512	14
7				524	525	525	525	525	524	522	519	516	513	514	516	520	▽					▽	525	524	525	525	524		0			9 32	512	
8				525	525	525	525	525	526	526	524	517	512	511	512	515	517	519	516	518	520	521	522	523	524	524	523	521	0	6 15	527	10 51	510	17
9				524	524	525	▽			▽	525	525	524	525	526	529	534	536	529	522	521	523	524	524	525	525	525		0	14 15	538	17 00	520	18
10	✓			525	525	525	525	526	526	527	527	526	525	527	529	533	531	529	525	524	525	525	525	526	527	526	525	526	0	12 39	534	15 51	523	11
11	✓			525	526	526	527	527	528	530	532	531	528	523	520	521	521	521	521	520	522	524	524	525	526	526	525	525	0	7 18	532	16 24	519	13
12	✓	✓		525	525	525	525	526	526	527	529	530	529	529	530	534	537	530	527	525	525	525	526	526	526	526	526	527	0	13 30	538	18 50	524	14
13	✓			526	526	526	526	526	526	527	530	531	533	530	525	520	521	526	522	519	521	523	524	525	525	525	525	525	0	9 40	533	13 09	517	16
14	✓	✓		525	525	526	525	525	525	524	522	520	521	523	526	528	528	526	(522)	519	520	521	522	523	525	524	524	524	0	14 12	529	16 54	518	11
15	✓	✓		524	524	524	524	524	523	523	526	528	532	536	538	534	530	(525)	522	519	520	523	524	525	526	526	526	526	0	11 24	539	16 31	518	21
16	✓	✓		526	527	527	527	527	527	527	528	528	527	531	533	537	541	540	535	526	523	524	524	525	526	526	526	529	0	13 54	543	17 21	522	21
17				526	527	527	527	527	527	527	525	524	523	526	531	532	529	527	524	518	520	522	524	525	525	524	525	526	0	12 08	533	16 40	517	16
18				526	527	527	528	528	527	529	528	523	519	521	525	530	529	523	521	519	521	522	524	524	524	524	524	525	0	13 00	531	9 33	518	13
19				524	525	525	525	527	527	531	536	537	533	530	527	526	527	532	530	526	525	525	525	525	525	(525	525	528	0	8 00	538	0 01	523	15
20				[525]	▽					▽	528	527	524	522	521	522	524	525	520	519	522	523	524	525	526	527	526		0			15 44	517	
21	✓			526	527	527	527	527	527	528	528	527	527	530	532	533	534	531	525	522	523	524	525	526	526	526	527	527	0	13 36	536	16 35	521	15
22				527	527	527	527	528	527	528	528	522	519	519	523	528	534	536	531	524	523	524	526	527	527	527	527	526	0	14 04	538	10 15	517	21
23	✓			528	528	528	529	529	530	531	526	521	519	518	518	519	523	522	520	519	521	523	525	526	527	527	527	524	0	6 18	532	11 36	517	15
24				527	528	528	528	529	529	531	531	529	530	534	533	531	535	534	532	528	526	527	527	527	527	527	527	529	0	13 54	536	17 04	526	10
25				527	528	528	528	529	529	532	534	531	528	526	522	520	522	521	522	523	525	525	527	528	528	528	528	527	0	7 03	534	12 51	519	15
26				528	528	528	528	528	529	532	534	532	529	528	528	527	526	529	525	522	523	525	527	528	528	528	528	528	0	7 31	534	16 56	521	13
27				528	528	528	529	529	530	533	534	533	530	527	527	528	527	527	524	522	523	524	527	528	528	527	527	528	1	7 02	535	16 48	521	14
28			✓	528	529	529	529	530	531	532	531	530	530	528	528	530	532	534	530	525	525	526	528	528	528	528	528	529	0	14 18	535	16 48	524	11
29				528	528	528	529	529	529	529	528	525	523	522	524	527	525	525	523	522	524	526	527	530	530	530	530	527	0	21 09	532	10 27	521	11
30			✓	530	530	530	531	530	531	533	529	524	521	521	521	521	521	523	523	523	524	525	526	528	530	528	530	526	0	6 30	534	12 48	518	16
31			✓	528	530	529	528	530	531	533	532	528	525	525	526	524	526	528	525	(524	525)	526	528	528	529	529	529	528	1	6 49	534	12 58	523	11
MEANS ALL DAYS a)				526	527	527	527	527	527	528	528	526	524	525	526	527	528	527	525	522	523	524	525	526	526	526	526	526						a) 15
MEANS TEN DAYS ✱				526	526	526	526	526	526	527	528	527	527	528	528	529	530	528	524	522	522	524	524	525	526	526	526	526						15
MEANS FOUR DAYS (G. M. T.) b) †				525	525	526	525	526	525	525	526	526	527	530	532	533	534	530	526	522	522	523 523	524 524	524	526	525	525	526						
MEANS FIVE DAYS (G. M. T.) ‡				527	528	527	528	528	529	530	528	525	522	521	523	524	526	528	526	523	524	524	525	527	527	527	528	526						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete days May 2, 7, 9 and 20

b) Omitting incomplete Greenwich day May 2

TABLE 171

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1925

JUNE 1925

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				529	530	530	530	530	532	535	533	527	521	517	517	519	522	522	522	524	524	525	527	528	528	528	528	526	0	6 33	536	11 48	516	20
2				528	528	529	529	529	530	532	532	530	532	534	534	536	535	533	530	527	525	527	530	530	530	530	530	530	0	13 01	537	16 50	524	13
3				529	528	530	530	531	533	535	533	527	525	523	525	529	528	528	527	523	525	527	528	529	530	530	530	528	0	6 50	536	10 21	521	15
4				529	529	529	530	531	531	534	533	531	530	530	530	527	527	527	527	525	527	528	529	529	529	529	529	529	0	6 45	535	13 06	524	11
5				533	531	531	531	531	532	535	536	532	529	528	528	532	531	532	532	531	529	529	529	530	531	530	531	531	0	7 12	537	11 06	526	11
6				531	531	531	531	531	532	533	532	529	526	526	523	525	528	529	529	528	528	529	530	531	531	531	531	529	0	7 08	534	11 40	522	12
7	✓			531	531	531	531	531	532	534	534	531	528	522	520	524	524	525	524	523	525	528	529	530	531	531	531	528	0	7 30	535	11 12	518	17
8	✓	✓		531	531	531	531	531	531	533	539	543	540	531	530	534	535	535	533	531	531	531	532	532	532	532	532	533	0	8 24	543	11 13	528	15
9	✓	✓		532	532	532	532	533	534	536	537	534	529	528	528	529	529	528	525	525	528	529	531	531	531	531	531	531	0	7 24	538	16 00	524	14
10	✓			531	532	532	533	533	533	534	537	535	531	526	526	528	525	521	520	523	528	529	531	531	531	531	531	530	0	7 30	538	15 00	519	19
11	✓			531	531	531	531	531	531	533	534	533	528	524	525	529	529	525	522	523	528	528	531	532	532	532	532	529	0	7 08	535	15 45	521	14
12				532	531	532	533	533	532	534	537	537	533	529	524	521	522	520	522	525	528	529	531	532	533	532	531	530	0	8 00	538	14 40	518	20
13			✓	532	531	532	535	532	532	534	540	539	539	545	548	540	537	531	531	528	529	533	535	536	536	536	534	535	2	11 06	557	16 51	527	30
14				534	533	533	534	535	535	536	536	533	531	529	530	531	528	527	528	531	531	531	534	534	535	534	534	532	0	6 30	537	15 00	525	12
15				534	534	535	535	534	535	534	533	528	524	525	529	531	533	533	529	528	531	533	535	535	535	535	534	532	0	5 42	536	9 40	523	13
16				534	534	534	534	535	535	536	535	533	529	525	526	528	531	528	524	525	530	531	531	535	537	536	534	532	0	22 13	538	16 00	523	15
17				536	536	536	537	537	537	539	539	534	531	530	531	536	535	529	526	527	529	532	533	534	535	534	535	534	0	6 45	541	15 39	525	16
18				535	535	536	535	536	536	537	536	533	530	530	526	529	532	532	(532)	531	532	532	533	535	536	536	536	533	0	7 30	538	11 39	525	13
19	✓	✓		535	535	535	536	536	536	538	542	541	540	539	532	530	531	525	(525)	528	530	532	533	533	534	534	534	534	0	7 45	543	14 36	523	20
20	✓	✓		534	535	535	535	535	536	537	536	536	536	533	533	531	531	533	531	529	530	532	532	533	534	534	535	534	0	6 45	538	16 27	527	11
21	✓	✓		535	535	535	535	536	536	536	535	532	531	534	535	538	539	541	536	531	532	534	534	535	535	536	536	535	0	14 15	542	16 45	530	12
22	✓			536	536	536	536	536	536	538	537	527	518	517	518	523	526	527	531	532	531	532	533	535	535	536	535	531	0	6 55	540	9 51	516	24
23			✓	534	533	536	536	537	536	537	537	533	531	530	533	527	526	529	525	526	530	532	533	533	534	535	535	532	1	6 58	539	15 55	523	16
24			✓	535	535	535	536	536	537	539	539	536	532	531	529	531	532	528	533	532	532	532	536	537	536	537	535	534	2	6 45	541	14 15	524	17
25			✓	536	539	537	538	538	539	542	543	536	531	530	532	532	532	528	524	526	529	532	535	536	536	536	536	534	1	6 59	546	15 51	523	23
26	✓			535	535	536	536	537	537	540	541	537	534	531	533	534	530	531	529	530	533	534	535	535	536	536	536	535	0	7 10	542	15 27	526	16
27				536	535	536	536	536	538	540	543	540	532	527	529	531	531	532	530	530	532	535	537	535	535	538	538	535	1	7 25	545	10 49	525	20
28			✓	537	535	535	537	538	538	542	542	538	533	532	529	531	535	532	527	528	530	532	534	535	537	538	537	535	1	7 00	544	15 36	526	18
29				536	536	536	536	538	538	540	542	540	537	534	531	532	529	532	532	529	531	532	∆						0	[7 45	542	13 24	528	14]
30																						∆	539	539	539	539	539							
31																																		
MEANS ALL DAYS a)				533	533	533	534	534	534	536	537	534	530	529	529	530	530	529	528	528	529	531	532	533	533	534	533	532						a) 16
MEANS TEN DAYS ✱				533	533	533	534	534	534	536	537	535	532	528	528	530	530	529	528	528	530	531	532	533	533	533	533	532						16
MEANS FIVE DAYS † (G. M. T.)				533	534	534	534	534	535	536	538	537	535	533	532	532	533	532	530	529	530	531 532	532 532	533	533	533	534	533						
MEANS FIVE DAYS ‡ (G. M. T.)				535	535	535	536	536	536	539	540	536	533	534	534	532	532	530	528	528	530	532	534	534	535	536	535	534						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
∆ = NO RECORD

a) Twenty-eight days only, omitting incomplete days June 29 and 30

TABLE 172

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1925 — JULY 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				538	539	539	539	539	539	540	537	533	528	530	533	536	537	536	534	531	533	534	536	537	537	537	538	536	0	6 09	541	9 54	527	14
2				538	538	538	538	538	539	541	542	542	539	533	531	532	530	533	537	538	537	537	537	539	539	539	539	537	0	7 16	543	13 24	529	14
3				539	538	538	539	539	540	541	⊠											⊠	538	539	539	539	539							
4	✓			539	539	539	538	539	539	541	543	541	537	536	538	541	542	537	533	532	533	536	538	539	539	539	539	538	0	13 01	544	16 30	531	13
5				539	538	539	539	540	540	542	543	540	535	536	538	541	538	536	533	531	532	534	537	537	538	538	538	538	0	7 25	543	17 00	530	13
6				538	538	538	539	539	539	540	541	541	536	534	537	537	535	536	537	536	536	536	537	538	539	539	538	538	0	7 30	542	10 30	532	10
7	✓			538	539	539	539	539	539	541	540	536	533	530	530	534	536	535	534	529	531	536	537	539	539	539	539	536	0	6 45	542	16 36	527	15
8				539	539	540	540	540	540	543	542	537	535	534	534	537	537	537	537	536	535	537	538	539	539	539	541	538	0	6 45	544	10 24	533	11
9				540	541	541	541	542	542	543	543	539	536	535	538	540	536	535	532	533	537	539	540	542	542	541	541	539	0	6 36	544	15 50	529	15
10				541	541	541	541	541	542	542	541	542	541	543	540	537	533	533	531	531	533	537	539	540	540	540	539	539	0	10 42	544	14 43	531	13
11				540	540	541	542	542	542	544	546	541	535	531	533	537	537	536	536	535	536	537	539	540	541	541	541	539	0	7 24	547	10 42	530	17
12	✓			542	542	542	542	543	543	546	547	544	540	536	531	532	536	538	537	535	537	538	538	540	541	541	541	540	0	7 02	548	11 45	530	18
13	✓	✓		541	542	542	542	543	543	545	545	541	537	537	540	540	540	538	535	532	534	538	541	541	542	542	542	540	0	6 40	547	16 15	531	16
14				542	542	542	542	543	543	545	544	539	534	534	537	537	535	538	⊠		⊠	[539]	540	541	544	543	541		1	7 00	546			
15			✓	543	545	546	546	546	548	550	544	539	537	536	539	540	540	(537	534)	534	535	539	541	543	543	544	543	541	1	6 18	552	17 10	533	19
16	✓	✓		544	544	544	544	544	544	545	544	542	542	544	545	540	538	540	539	536	538	541	542	543	544	544	544	542	0	11 04	547	16 54	535	12
17	✓	✓		543	543	543	544	544	544	545	543	539	533	534	537	544	550	553	548	545	543	543	544	544	544	544	544	543	0	14 18	554	9 30	531	23
18	✓	✓		544	545	545	545	545	546	547	543	540	535	530	531	535	539	542	542	539	540	543	544	544	545	545	544	542	0	6 18	548	10 51	529	19
19				544	544	544	545	545	545	545	546	542	539	542	552	560	558	553	548	542	542	543	543	544	545	545	545	546	0	12 42	561	9 27	538	23
20	✓	✓		545	545	545	545	546	546	547	546	543	541	543	543	548	548	544	540	540	541	543	543	544	544	544	544	544	0	13 27	549	16 12	539	10
21				545	545	545	546	547	547	548	549	549	550	551	552	551	550	551	549	546	545	545	545	545	545	545	545	547	1	11 06	555	23 02	543	12
22			✓	546	546	546	547	547	547	551	554	553	553	556	553	549	548	544	543	541	541	543	543	544	545	546	546	547	0	11 10	557	17 09	540	17
23				546	546	547	547	547	547	548	547	547	547	543	541	540	540	540	540	541	544	545	544	545	545	545	545	544	0	6 16	549	12 02	539	10
24	✓			546	546	546	546	547	547	548	548	547	546	547	551	551	547	546	543	543	541	544	546	546	546	546	546	546	0	11 21	553	17 30	541	12
25				546	546	547	547	547	548	551	551	547	544	540	537	540	536	534	535	537	540	542	546	546	546	543	544	543	0	6 24	552	14 51	532	20
26			✓	545	544	546	548	546	548	551	557	556	552	547	547	545	545	545	543	542	544	545	546	548	547	548	547	547	0	7 58	559	16 45	541	18
27			✓	547	548	547	548	548	548	551	551	544	535	532	532	530	529	532	532	530	536	544	543	545	546	544	545	541	0	7 00	553	13 13	528	25
28			✓	546	547	546	545	546	547	550	549	544	542	543	546	545	543	541	539	537	540	543	545	546	547	547	547	545	0	6 48	551	16 30	536	15
29				546	547	547	547	547	547	550	553	550	550	553	549	546	550	550	547	541	542	544	546	547	547	547	547	548	0	13 55	554	16 30	540	14
30	✓			547	547	547	547	548	548	548	547	546	544	542	540	538	535	537	340	537	540	544	546	548	548	548	547	544	0	6 33	549	13 36	534	15
31				547	547	547	547	548	548	549	549	546	539	537	538	541	541	546	549	544	544	545	547	547	548	548	548	545	0	7 01	550	10 33	536	14
MEANS ALL DAYS a)				543	543	543	544	544	544	546	546	543	540	539	540	541	540	540	539	537	538	541	542	543	543	543	543	542						15 a)
MEANS TEN DAYS ✲				543	543	543	543	544	544	545	545	542	539	538	539	540	541	541	539	537	538	541	542	543	543	543	543	542						15
MEANS FIVE DAYS † (G. M. T.)				543	544	544	544	544	545	546	544	541	538	538	539	541	543	543	541	538	539	541 542 542 543		543	543	544	543	542						
MEANS FIVE DAYS ‡ (G. M. T.)				545	546	546	547	547	548	551	551	547	544	543	543	542	541	540	538	537	539	543	544	545	546	545	544	544						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Twenty-nine days only, omitting incomplete days July 3 and 14

TABLE 173

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1925 — AUGUST 1925

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				548	548	548	548	548	549	550	547	540	536	538	537	539	539	539	539	541	544	547	547	548	548	548	548	544	0	6 15	551	9 40	535	16
2				547	548	548	548	548	549	550	550	548	547	545	546	552	552	554	550	544	543	546	547	548	548	548	548	548	0	14 36	555	17 00	542	13
3				548	548	549	549	549	549	553	554	553	550	549	542	537	537	535	536	538	539	545	547	548	548	549	548	546	0	7 18	555	15 04	535	20
4				549	548	549	549	550	550	551	554	553	550	549	562	570	566	565	562	553	549	549	549	550	550	549	549	553	0	12 37	571	10 30	547	24
5				550	550	551	551	551	552	552	553	550	545	539	537	532	534	541	539	537	541	544	545	547	547	548	548	545	0	7 00	554	12 52	530	24
6				549	548	549	549	550	550	547	547	550	551	552	554	557	559	558	554	548	547	547	547	548	550	549	549	550	0	13 39	560	17 13	545	15
7			✓	549	550	550	549	550	550	552	558	555	548	553	551	549	549	551	546	543	546	548	550	552	551	548	549	550	1	7 19	559	16 04	542	17
8			✓	552	550	552	552	553	553	554	553	547	540	539	539	541	543	543	542	542	541	546	547	548	551	551	548	547	0	6 46	555	11 03	537	18
9				549	549	549	549	550	549	550	553	553	553	552	552	546	540	543	545	542	543	544	546	547	547	547	547	548	0	7 51	555	13 34	538	17
10				547	548	547	547	548	549	550	550	548	545	548	550	546	541	545	545	541	542	545	546	546	546	546	546	546	0	7 12	551	13 33	540	11
11	✓	✓		546	547	547	548	548	548	549	546	544	544	544	543	543	542	546	547	545	544	544	545	546	547	547	547	546	0	6 09	550	13 01	540	10
12	✓	✓		547	547	547	547	548	548	549	550	550	548	548	548	552	552	552	547	549	549	547	547	547	548	548	548	548	0	13 57	554	19 25	546	8
13	✓	✓		548	548	548	549	549	550	550	545	540	538	536	538	538	540	538	536	538	541	543	544	546	547	547	547	544	0	6 18	552	10 20	535	17
14				547	548	548	548	548	548	549	549	546	544	544	(548)	550	550	540	535	535	541	545	546	548	548	548	548	546	0	13 21	553	15 59	533	20
15	✓	✓		548	548	547	548	548	549	550	548	546	545	545	545	544	542	541	(544)	544	547	547	548	549	550	550	549	547	0	6 29	551	14 30	540	11
16	✓			549	549	549	550	550	551	552	548	541	538	537	543	542	541	536	535	533	538	543	546	547	548	548	549	544	0	6 21	553	16 33	532	21
17				549	549	549	549	549	551	552	552	550	551	552	553	550	546	544	541	(541)	542	546	548	549	549	548	550	548	0	11 39	555	15 45	540	15
18			✓	548	549	550	551	552	552	552	549	547	545	549	554	555	555	553	546	543	544	546	548	549	550	548	548	549	1	13 38	557	16 45	542	15
19				550	550	550	551	550	552	553	552	546	540	539	542	544	544	543	544	545	546	546	546	547	547	548	548	547	0	6 10	554	10 52	538	16
20				548								550	547	545	544	541	543	542	540	538	538	542	545	546	546	546	547		0			17 12	537	
21	✓			547	548	548	549	549	548	547	545	543	542	545	550	548	547	547	546	542	543	546	546	546	547	547	547	546	0	11 19	550	16 46	541	9
22			✓	547	548	548	548	549	550	550	547	543	547	547	548	546	542	547	545	545	546	547	545	546	546	545	545	547	1	6 01	551	13 18	539	12
23			✓	547	546	546	548	547	550	559	560	557	550	547	544	542	540	540	537	538	544	545	546	546	547	547	548	547	1	7 28	562	15 52	535	27
24				548	548	549	549	549	550	552	551	548	547	547	549	548	551	549	547	546	(546	546)	546	547	547	548	548	548	0	7 03	553	16 30	545	8
25				548	548	548	549	549	551	552	553	553	552	552	557	553	545	539	539	539	540	545	547	548	548	548	548	548	0	11 18	558	14 33	538	20
26				549	▽					▽	550	549	545	541	538	538	539	535	535	537	540	544	545	547	547	547	547		0			15 04	534	
27	✓			547	547	547	548	548	548	551	552	551	553	553	552	550	555	557	552	545	544	547	548	549	550	549	548	550	0	14 10	558	17 09	542	16
28	✓	✓		550	549	549	549	550	550	551	550	544	541	541	541	541	542	539	534	534	538	543	546	546	547	547	547	545	0	6 00	551	15 33	533	18
29	✓			547	547	548	548	548	548	550	549	547	547	551	552	554	552	546	545	543	543	547	546	546	546	548	549	548	0	13 01	555	16 46	542	13
30				548	548	550	550	550	551	550	547	545	▽									▽	546	546	547	547	547		0	6 09	553			
31	✓			547	548	548	549	549	549	548	546	543	540	539	537	536	537	536	536	536	540	543	544	545	545	546	546	543	0	4 04	550	16 12	534	16
MEANS ALL DAYS a)				548	548	548	549	549	550	551	550	548	546	546	547	547	546	545	543	542	543	546	547	547	548	548	548	547						a) 16
MEANS TEN DAYS ✲				548	548	548	548	549	549	550	548	545	544	544	545	545	545	544	542	541	543	545	546	547	548	548	548	546						14
MEANS FIVE DAYS (G. M. T.) †				548	548	548	548	549	549	550	548	545	543	543	543	544	544	543	542	542	544	546 546 / 545 546		547	548	548	547	546						
MEANS FIVE DAYS (G. M. T.) ‡				549	549	549	550	550	551	553	553	550	546	547	547	547	546	547	543	542	544	546	547	548	549	547	548	548						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days August 20, 26 and 30

TABLE 174

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1925 — SEPTEMBER 1925

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	547	547	547	548	549	550	551	552	551	549	542	535	537	538	535	533	535	538	543	543	540	542	545	550	544	1	8 01	553	15 31	532	21
2				547	549	549	549	550	553	554	550	545	542	543	537	539	544	544	545	543	543	545	545	546	546	547	547	546	1	6 20	556	11 45	534	22
3				547	547	548	549	549	551	551	548	548	547	545	545	547	548	544	537	537	542	544	545	545	547	548	548	546	0	6 38	553	15 55	535	18
4				548	549	549	549	550	551	552	551	547	543	537	534	541	541	535	533	538	541	544	546	546	547	547	547	544	0	6 17	553	15 12	531	22
5				548	548	549	549	550	551	552	552	551	545	540	539	543	544	536	537	542	545	547	547	546	546	547	548	546	0	7 22	553	14 48	534	19
6				548	548	549	550	551	551	553	556	555	554	553	552	549	544	542	541	542	544	545	546	547	547	548	547	548	0	7 33	557	16 12	541	16
7				548	550	550	551	551	552	554	554	550	544	539	541	546	541	535	537	541	543	547	548	549	548	548	549	546	0	6 28	555	14 24	534	21
8	✓			548	548	549	550	550	551	550	551	550	551	550	547	553	554	541	535	539	542	546	548	548	548	548	548	548	0	13 10	557	15 21	533	24
9				549	549	549	550	550	550	549	549	547	542	540	542	544	545	545	541	541	544	548	549	548	548	549	548	546	0	5 30	551	10 20	539	12
10	✓	✓		548	548	548	549	550	550	549	548	548	546	543	546	555	563	558	552	548	545	547	548	548	548	548	548	549	0	13 33	565	10 39	543	22
11	✓	✓		549	549	549	549	550	550	550	549	547	545	540	540	543	544	544	542	540	540	544	546	547	547	548	548	546	0	6 10	551	11 03	538	13
12	✓	✓		548	548	549	549	550	549	547	544	545	551	562	573	578	565	550	545	542	543	548	549	550	550	550	550	551	0	12 11	581	16 58	541	40
13	✓			550	550	550	550	550	551	550	548	545	543	543	548	553	556	553	545	540	541	546	547	548	547	547	547	548	0	13 33	557	16 36	538	19
14			✓	546	547	548	550	550	550	550	550	546	540	538	539	549	544	534	533	536	538	544	544	547	547	547	547	544	1	12 57	553	15 04	532	21
15			✓	547	547	549	548	550	551	553	556	557	554	552	556	555	554	553	550	549	547	546	(548)	548	547	547	549	551	1	8 28	559	18 26	544	15
16				548	548	550	551	551	553	551	550	551	553	555	558	556	544	538	540	543	544	546	546	546	548	547	548	549	0	11 43	560	14 38	537	23
17				549	548	550	551	551	551	550	544	541	540	539	543	543	538	537	534	(541)	542	546	547	548	548	549	548	545	0	5 02	553	15 19	533	20
18				549	550	550	551	553	553	555	556	554	(549	544)	544	548	544	537	535	535	540	544	547	547	547	547	548	547	0	6 34	556	16 10	534	22
19	✓			549	549	549	550	551	551	552	553	552	548	545	545	547	545	539	537	538	543	546	549	549	548	548	549	547	0	7 32	554	15 03	536	18
20				550	550	551	552	554	553	558	563	566	569	565	561	554	546	540	542	548	549	548	549	549	551	546	544	552	0	9 31	569	14 58	539	30
21			✓	543	540	546	549	553	555	564	572	570	559	555	551	543	531	522	527	537	543	547	547	548	548	548	548	548	1	7 55	576	14 31	519	57
22				547	547	548	550	551	552	555	561	566	565	565	567	563	550	(541)	540	540	542	544	546	546	546	546	546	551	0	11 25	568	16 02	539	29
23				546	547	548	549	551	551	550	550	548	547	549	557	561	554	549	545	543	544	546	547	551	545	540	543	548	0	12 19	563	16 47	542	21
24			✓	545	546	547	550	550	551	552	553	546	540	533	535	542	547	545	541	539	543	546	547	546	546	548	548	545	1	7 19	554	10 38	532	22
25				548	549	550	550	550	550	552	555	556	552	549	551	551	547	543	540	540	540	545	546	546	546	547	547	548	0	8 14	557	17 00	539	18
26				548	548	548	549	549	549	547	548	551	553	561	579	586	586	569	558	549	546	547	550	551	552	553	553	555	0	13 11	589	17 35	545	44
27	✓			552	552	553	553	554	554	553	552	550	547	545	550	554	552	552	550	547	546	547	549	550	551	551	551	551	0	12 31	556	10 18	544	12
28	✓			551	552	552	552	553	554	553	552	553	548	546	544	546	546	544	538	540	542	546	547	548	548	549	550	548	0	5 58	556	15 34	537	19
29	✓	✓		550	551	552	552	553	553	550	546	540	531	525	530	534	535	538	541	541	542	545	547	548	548	548	549	544	0	5 50	553	10 40	524	29
30	✓	✓		549	549	551	552	553	552	546	543	540	533	532	540	549	549	545	542	542	544	546	548	549	549	549	548	546	0	5 00	553	10 16	531	22
31																																		
MEANS ALL DAYS				548	548	549	550	551	551	552	552	551	548	546	548	550	548	543	541	541	543	546	547	548	548	548	548	548						23
MEANS TEN DAYS ✱				549	550	550	551	551	552	550	549	547	544	543	546	551	551	546	543	542	543	546	548	548	548	549	549	548						22
MEANS FIVE DAYS † (G. M. T.)				549	549	550	550	551	551	548	546	544	541	540	546	552	551	547	544	543	543	546 546	547 548	548	548	548	549	547						
MEANS FIVE DAYS ‡ (G. M. T.)				546	545	547	549	550	551	554	557	554	548	544	543	545	543	538	537	539	542	545	546	548	547	545	545	546						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 175

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

OCTOBER 1925 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) OCTOBER 1925

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				549	549	549	550	551	550	546	542	537	533	534	535	531	527	531	535	537	541	545	547	548	548	549	550	542	0	5 00	552	13 40	526	26
2		✓		551	549	551	551	551	551	549	▽										▽	[547]	548	548	549	549	549							
3	✓	✓		550	550	551	552	552	552	550	547	545	542	543	549	555	554	549	543	542	543	547	547	547	548	549	549	548	0	12 45	556	16 30	541	15
4				550	550	551	553	553	554	553	553	550	545	550	559	564	560	553	546	544	547	550	551	551	550	550	551	552	0	12 25	566	16 39	543	23
5	✓			552	553	553	553	555	557	556	556	556	553	556	557	553	547	543	542	543	546	547	548	549	549	548	548	551	0	11 04	558	15 48	541	17
6	✓			549	550	551	553	554	554	553	553	555	554	555	556	553	548	544	538	539	542	546	549	549	549	549	548	550	0	11 09	559	15 54	536	23
7	✓			549	549	550	551	552	552	551	551	550	548	548	548	547	544	544	543	544	547	549	550	550	549	550	551	549	0	5 13	554	15 51	543	11
8				550	551	551	551	553	554	557	564	566	566	567	566	561	561	558	550	542	541	544	546	548	547	547	550	554	0	10 37	570	17 46	539	31
9			✓	549	549	552	553	554	554	554	554	550	548	551	551	546	544	543	540	541	544	547	547	547	548	549	550	549	0	11 12	555	15 18	539	16
10	✓			550	549	551	552	553	553	553	551	548	546	553	554	548	545	544	540	539	542	546	548	548	547	548	548	548	0	10 57	556	16 26	538	18
11				549	550	550	551	551	552	554	558	559	562	567	565	563	565	557	547	541	545	547	548	550	549	550	549	553	0	10 07	570	16 24	540	30
12			✓	549	551	551	552	553	553	550	548	549	547	548	546	544	546	543	538	541	545	548	550	550	550	550	550	548	0	4 54	554	15 48	537	17
13				551	550	551	553	553	553	555	556	550	546	548	551	554	551	547	543	546	547	547	550	549	550	549	548	550	0	7 15	557	15 27	542	15
14	✓			549	550	551	552	553	553	556	561	561	564	564	562	559	556	544	539	541	544	546	548	549	549	549	550	552	0	9 44	565	15 18	539	26
15				550	551	552	554	555	555	555	554	549	548	551	554	553	548	545	543	542	545	548	547	548	549	550	550	550	0	4 42	556	16 23	541	15
16				550	551	553	553	554	556	558	558	556	560	571	568	562	557	553	(548)	545	545	546	548	549	548	548	549	554	0	10 34	573	17 58	544	29
17				550	551	553	554	557	558	560	563	561	567	577	576	568	563	551	(559)	543	544	547	549	549	550	550	550	556	0	10 22	579	16 56	542	37
18		✓		550	551	553	554	556	557	553	550	544	541	539	537	536	535	532	533	536	541	545	547	547	546	546	546	545	0	5 34	558	14 48	531	27
19				545	547	549	550	551	552	552	549	546	545	545	543	538	535	537	537	539	541	544	545	544	544	545	546	545	0	5 27	553	13 48	534	19
20				546	546	548	550	551	551	551	551	549	549	548	541	▽						▽	548	547	548	549	549			7 10	553			
21			✓	549	550	550	553	553	557	⊼																								
22												⊼	551	559	558	556	554	⊼																
23			✓										⊼	560	558	⊼																		
24			✓								⊼	557	555	555	554	548	549	544	533	533	538	544	547	547	547	548	549		1			16 02	531	
25	✓			548	548	549	551	552	552	554	554	551	552	551	549	545	543	543	541	539	540	545	548	548	548	547	548	548	0	7 09	556	16 08	538	18
26	✓			548	548	549	550	551	551	553	557	554	556	559	562	557	555	552	544	542	545	547	550	550	550	549	549	551	0	11 10	564	15 57	541	23
27				549	549	551	552	553	554	552	550	548	551	553	559	558	555	552	546	542	542	547	550	551	550	549	549	550	0	12 24	562	16 57	539	23
28				550	551	551	552	553	553	552	551	547	549	549	546	545	547	550	544	539	543	548	550	550	550	550	549	549	0	5 18	554	16 34	538	16
29	✓	✓		549	550	550	552	553	553	550	545	542	543	543	546	549	552	549	544	542	546	550	551	551	551	550	549	548	0	5 15	554	16 47	541	13
30	✓	✓		549	551	552	552	554	553	549	546	544	542	540	543	543	544	546	544	541	545	548	549	549	549	549	550	547	0	5 10	555	10 16	539	16
31				550	551	551	552	553	552	549	547	543	547	551	551	551	550	552	550	546	548	549	551	549	546	545	549	549	0	4 24	554	8 11	541	13
MEANS ALL DAYS a)				549	550	551	552	553	553	553	553	550	550	552	553	551	549	546	543	541	544	547	549	549	549	549	549	549						a) 21
MEANS TEN DAYS *				549	550	551	552	553	553	552	552	551	550	551	553	551	549	546	542	541	544	547	549	549	549	549	549	549						18
MEANS FOUR DAYS (G. M. T.) b) †				550	550	552	552	554	554	550	547	544	542	541	544	546	546	544	541	540	544	548 548	550 548	550	550	550	549	547						
MEANS TWO DAYS (G. M. T.) c) ‡				549	550	552	552	554	554	552	551	550	548	550	548	545	545	543	539	541	544	548	547	549	548	548	550	548						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = TWO INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-five days only, omitting incomplete days October 2 and 20 to 24
b) Omitting incomplete Greenwich day October 2
c) Omitting incomplete Greenwich days October 21, 23 and 24

TABLE 176

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

NOVEMBER 1925 — NOVEMBER 1925

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	549	548	549	551	553	552	553	553	551	554	556	553	548	544	542	540	542	546	547	548	550	550	551	551	549	0	10 27	557	15 26	539	18
2			✓	551	551	551	553	554	553	553	552	551	556	560	556	556	552	554	553	550	548	549	552	552	551	551	551	552	0	11 46	564	17 36	547	17
3				552	553	553	554	555	553	554	558	558	561	562	563	560	558	553	547	546	548	551	553	552	552	553	553	554	0	11 28	564	16 27	545	19
4	✓			552	553	553	553	554	553	552	552	552	556	559	559	555	556	555	550	546	547	549	552	552	552	552	552	553	0	11 06	560	16 42	545	15
5	✓	✓		552	552	553	554	555	554	549	545	543	544	545	545	542	544	545	543	543	546	550	552	552	552	552	551	548	0	5 12	556	12 40	541	15
6				551	Δ					Δ	555	554	554	552	554	552	551	546	541	541	544	548	552	552	551	Δ			0			16 00	540	
7										Δ	550	548	549	550	553	555	552	547	542	542	545	548	552	552	551	552	553		0			16 06	540	
8				553	553	553	553	555	555	556	558	560	562	565	568	568	559	555	551	547	547	547	550	550	551	549	550	555	1	12 33	569	18 06	546	23
9			✓	550	550	551	554	556	556	556	558	557	558	560	558	551	543	540	541	542	543	547	550	550	549	548	549	551	1	10 45	562	14 21	539	23
10			✓	548	548	550	551	553	552	555	561	564	566	569	569	565	560	557	549	544	546	552	552	550	550	549	550	555	0	11 24	571	16 42	542	29
11				551	553	553	555	556	556	556	558	558	558	557	560	560	558	553	548	548	549	552	552	553	552	552	552	554	0	11 38	562	15 44	547	15
12				552	553	555	556	556	555	554	552	552	555	557	556	554	552	553	545	542	546	550	552	552	552	552	552	552	0	10 15	558	16 21	541	17
13				553	553	553	554	555	553	550	550	554	557	560	565	557	550	548	547	549	551	554	554	553	553	553	553	553	0	11 28	567	15 33	547	20
14			✓	552	552	552	554	555	554	554	555	556	555	560	555	556	551	549	543	547	549	550	552	551	550	551	551	552	1	10 33	564	15 30	542	22
15				552	552	552	553	554	552	550	550	550	551	548	551	551	553	555	553	552	552	553	554	554	554	555	555	552	0	14 02	556	10 39	546	10
16	✓			555	556	557	558	559	557	557	561	562	564	561	560	559	556	(554)	552	554	554	554	555	554	553	553	553	557	0	9 27	564	15 12	551	13
17				553	555	556	558	558	557	558	566	573	576	574	569	562	557	(554)	552	552	552	553	555	554	554	554	555	559	0	9 13	577	[15 20	551	26]
18	✓			555	555	557	558	560	558	559	561	562	560	563	560	553	552	551	(548)	546	550	555	558	557	556	556	556	556	0	10 36	565	16 26	545	20
19	✓			558	558	558	559	560	559	560	562	565	566	565	561	551	543	540	539	541	545	550	554	554	555	554	554	555	0	9 03	567	16 00	538	29
20				554	555	556	557	558	555	553	555	557	555	553	549	543	542	543	541	544	549	554	557	556	556	556	555	552	0	4 00	558	13 03	540	18
21	✓	✓		555	556	556	557	558	556	556	560	564	564	565	566	564	559	553	550	553	555	559	560	559	558	558	558	558	0	11 15	567	15 27	549	18
22		✓		557	558	559	559	561	560	559	560	566	566	567	565	558	556	557	553	552	552	556	559	558	558	558	557	559	0	10 28	569	16 57	551	18
23				557	557	557	558	558	557	555	557	559	556	552	548	548	550	549	549	550	553	555	558	559	559	558	557	555	0	20 45	560	12 15	547	13
24				557	557	557	557	558	555	553	553	555	558	566	561	555	553	550	548	548	551	555	558	558	559	559	558	556	1	10 50	573	15 21	547	26
25				557	557	557	558	560	558	557	557	556	557	559	562	559	560	558	554	550	554	558	560	559	559	559	559	558	0	11 06	563	16 40	549	14
26				558	558	560	559	559	559	564	570	574	572	573	578	579	573	568	562	559	558	559	560	560	560	560	559	564	0	12 03	581	17 42	557	24
27	✓	✓		559	560	560	560	560	558	558	564	568	565	566	565	564	566	561	555	553	555	558	560	560	561	560	559	561	0	8 18	570	16 42	552	18
28	✓	✓		558	559	560	561	562	560	561	569	572	567	569	572	566	556	549	548	546	549	556	560	560	560	561	561	560	0	11 50	573	16 49	544	29
29	✓			561	560	561	561	561	557	556	556	559	560	557	560	558	554	553	548	545	551	557	560	560	561	561	561	557	0	3 11	562	16 30	544	18
30	✓			561	560	561	561	561	562	566	573	576	577	573	568	564	562	552	552	550	552	556	560	560	560	561	561	562	0	9 22	578	16 36	549	29
31																																		
MEANS ALL DAYS a)				554	555	555	556	557	556	556	558	560	561	561	561	557	554	552	549	548	550	553	555	555	555	555	555	555						a) 20
MEANS TEN DAYS ✻				557	557	558	558	559	557	557	560	562	562	562	562	558	555	551	548	548	550	554	557	557	557	557	557	557						20
MEANS FIVE DAYS † (G. M. T.)				556	557	558	558	559	558	557	560	563	561	562	563	559	556	553	550	549	551	556 556	558 558	557	557	557	557	557						
MEANS FIVE DAYS ‡ (G. M. T.)				550	550	551	553	554	553	554	556	556	558	561	558	555	550	548	545	545	546	549	551	550	550	549	550	552						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-eight days only, omitting incomplete days November 6 and 7

TABLE 177

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1925

DECEMBER 1925

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				561	560	560	561	561	560	561	565	570	569	572	575	570	559	551	551	552	553	558	560	559	559	559	559	561	0	11	19 576	15	51 549	27
2	✓			560	560	561	562	561	558	557	563	570	566	567	566	564	563	559	556	556	558	560	563	562	562	562	561	562	0	8	36 571	16	01 555	16
3	✓	✓		561	561	561	561	561	560	558	559	560	556	550	548	545	547	554	554	553	553	556	560	560	559	559	559	556	0	4	03 562	12	43 544	18
4				559	558	559	561	564	562	559	562	564	563	564	562	557	550	545	542	544	550	556	559	559	559	559	559	557	0	8	23 565	15	36 541	24
5	✓			559	559	559	560	560	560	563	568	570	571	568	565	564	562	555	547	544	546	554	558	558	557	557	556	559	0	8	56 572	16	29 543	29
6			✓	557	559	560	561	562	564	567	577	574	578	574	572	566	557	551	549	549	554	558	560	561	560	560	558	562	1	9	58 580	15	48 548	32
7			✓	558	559	559	561	563	562	564	570	577	577	576	571	561	553	546	548	551	551	555	559	560	560	560	560	561	0	10	02 580	14	58 544	36
8				560	559	559	560	561	561	564	572	577	579	582	585	579	572	570	564	562	560	560	562	561	563	564	563	567	0	11	13 588	1	09 558	30
9				562	561	562	563	564	564	564	566	568	567	569	568	562	559	557	554	554	558	560	562	562	562	562	561	562	0	11	04 571	16	17 553	18
10				561	561	561	562	562	560	563	573	577	576	574	566	567	564	559	561	561	560	561	563	562	562	563	563	564	0	8	30 578	14	45 558	20
11				562	562	563	563	564	564	567	567	566	564	563	561	553	548	547	548	549	553	557	560	560	560	561	561	559	0	6	45 568	14	32 546	22
12	✓			562	562	563	563	563	561	566	574	577	570	567	558	554	551	548	550	553	554	558	561	561	563	564	563	561	0	8	08 578	14	16 547	31
13	✓			563	564	564	564	564	563	566	572	572	569	569	569	566	563	564	560	552	553	558	563	563	564	564	564	564	0	8	00 574	17	01 549	25
14	✓	✓		564	564	564	564	564	562	561	569	574	573	570	564	555	549	548	550	554	557	562	566	565	565	564	564	562	0	8	19 575	14	38 546	29
15				563	564	564	564	564	562	562	565	(562	568)	572	567	560	556	552	552	(554)	552	555	557	558	558	559	559	560	0	10	32 574	14	45 551	23
16				559	560	560	563	562	558	558	564	567	575	581	579	575	571	563	558	554	556	557	Δ						0	10	48 583	16	35 553	30
17		✓						Δ	563	562	562	565	565	573	567	560	555	555	557	558	558	558	560	560	560	559	559		0	10	31 575	14	06 554	21
18			✓	560	560	560	561	562	562	562	566	566	562	564	566	564	566	564	558	559	559	560	562	562	561	561	561	562	1	14	02 570	15	37 556	14
19				561	561	563	563	564	564	566	573	578	578	573	570	566	566	567	564	561	556	557	560	562	562	561	562	565	0	9	25 579	17	40 555	24
20	✓			562	562	563	564	565	564	566	573	571	566	566	566	565	566	561	562	558	553	554	558	561	561	562	562	563	0	7	45 574	17	12 553	21
21	✓	✓		564	564	564	563	564	563	562	564	562	563	567	569	560	557	555	555	555	555	557	562	564	566	564	563	562	0	11	07 571	16	51 554	17
22	✓			563	563	564	564	565	564	562	565	565	566	564	557	552	544	543	545	543	548	554	562	562	562	562	561	558	0	9	56 567	16	15 542	25
23				560	561	561	562	564	563	566	570	568	565	565	563	564	554	549	550	548	556	556	560	560	561	561	560	560	0	7	40 571	16	17 545	26
24				560	560	561	562	562	562	562	565	565	567	579	577	570	562	547	542	543	551	559	564	564	563	563	563	561	1	11	00 583	16	00 540	43
25				562	562	562	563	564	563	565	572	569	571	577	574	561	555	556	556	553	556	559	564	565	565	564	564	563	1	11	24 578	16	31 552	26
26	✓	✓		564	564	564	564	564	562	564	568	564	561	561	565	569	566	556	552	553	556	560	564	565	565	565	565	563	0	12	42 570	15	53 551	19
27			✓	565	565	565	565	565	564	566	573	576	576	575	571	566	561	557	550	550	552	560	565	565	564	564	564	564	0	9	56 581	15	40 548	33
28			✓	562	561	561	562	565	568	566	571	568	564	562	560	555	550	548	546	547	551	556	561	561	562	562	563	560	1	7	42 572	15	57 545	27
29				563	564	563	564	565	563	566	576	583	584	576	573	572	575	569	560	560	559	561	566	566	566	566	565	568	0	9	12 587	17	39 558	29
30				565	565	566	567	567	568	568	569	569	568	567	560	560	560	552	546	549	554	558	563	565	566	566	566	563	0	7	55 570	15	45 544	26
31				566	566	565	566	566	564	566	573	575	575	577	576	570	572	571	568	562	563	565	567	566	566	566	567	568	0	11	16 578	16	21 561	17
MEANS ALL DAYS a)				562	562	562	563	563	563	564	569	570	569	569	567	563	559	555	553	553	555	558	562	562	562	562	562	562						a) 25
MEANS TEN DAYS ✲				562	562	563	563	563	562	562	568	568	566	565	563	559	557	554	553	552	553	557	562	562	562	562	562	561						23
MEANS FOUR DAYS (G. M. T.) b) †				563	563	563	563	563	562	561	565	565	563	562	562	557	555	553	553	554	555	558 559	562 563	563	563	563	563	561						
MEANS FIVE DAYS (G. M. T.) ‡				560	561	561	562	563	564	565	571	572	571	570	568	562	557	553	550	551	553	558	561	562	561	561	560	562						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 16 and 17

b) Omitting incomplete Greenwich day December 17

TABLE 178

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1926

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				567	563	563	565	565	559	550	559	575	589	598	604	596	588	569	550	545	545	554	563	562	565	567	566	568	0	11 06	607	17 33	541	66
2				566	563	562	557	558	558	551	564	584	595	611	620	618	612	590	563	546	546	556	566	567	567	567	565	573	0	10 40	626	16 56	535	91
3				562	559	559	559	554	549	541	564	584	597	605	616	607	592	587	568	554	555	557	564	566	563	560	556	570	0	11 21	618	6 16	535	83
4	✓			551	547	554	562	556	552	546	562	580	591	597	600	596	583	572	548	543	550	556	565	567	568	568	567	566	0	11 56	604	16 02	539	65
5	✓	✓		567	562	563	563	561	555	544	562	588	602	608	604	612	613	592	572	567	566	561	566	569	568	566	563	575	0	13 15	620	6 19	540	80
6				561	559	561	561	557	550	540	555	572	587	607	616	618	617	610	572	557	560	557	566	569	567	563	563	573	0	12 56	624	6 27	535	89
7				562	556	552	554	554	554	548	562	582	593	612	607	611	598	585	567	557	558	556	565	566	566	562	562	570	0	12 07	624	6 20	545	79
8	✓			562	562	562	558	556	549	540	554	569	571	582	593	601	596	595	586	572	566	561	563	567	568	568	565	569	0	12 33	603	6 23	537	66
9	✓			562	562	559	560	560	558	558	567	573	576	582	591	587	572	564	552	541	552	556	559	565	565	565	565	565	0	11 57	593	16 22	539	54
10				562	562	561	562	557	552	545	558	576	586	593	597	589	571	563	560	562	576	574	573	579	575	572	565	570	0	11 16	600	6 23	542	58
11				556	552	546	543	545	533	526	537	558	571	579	582	583	582	567	552	545	549	558	567	572	573	569	569	559	0	11 39	586	6 21	518	68
12				565	560	562	561	559	553	550	566	578	586	592	588	573	562	558	558	558	566	560	562	572	573	573	569	567	0	11 27	596	6 12	543	53
13				566	559	558	558	558	551	552	567	588	592	601	602	607	606	602	576	557	561	566	576	578	578	577	571	575	1	12 35	617	5 54	545	72
14				570	567	565	561	564	556	535	560	588	607	606	607	606	588	577	575	572	562	565	567	566	572	563	563	573	1	9 43	624	6 34	527	97
15				558	557	556	566	567	558	542	546	572	601	618	624	606	587	581	568	564	566	567	570	573	577	576	573	574	0	11 09	632	6 38	537	95
16				570	567	563	564	569	556	548	566	590	605	628	629	609	576	552	550	552	554	556	566	567	568	566	562	572	0	11 01	638	15 02	539	99
17				562	559	557	559	558	549	536	556	581	596	613	619	606	(596)	586	(566)	552	548	554	561	566	568	568	566	570	0	10 59	626	6 25	533	93
18			✓	562	556	554	548	542	543	536	554	593	612	626	619	605	579	562	556	548	545	548	561	571	578	580	576	569	1	10 30	632	4 09	531	101
19				573	571	567	564	561	546	518	526	555	579	607	621	620	613	616	584	572	571	564	565	572	571	569	563	574	0	12 20	630	6 38	511	119
20	✓	✓		561	559	559	557	558	552	535	537	552	567	585	602	602	592	576	561	551	548	552	559	566	568	568	568	564	0	11 50	606	6 45	530	76
21	✓	✓		566	566	566	566	564	560	541	545	564	578	595	610	599	594	602	593	577	562	554	559	563	563	554	560	571	0	11 33	616	6 54	535	81
22			✓	562	562	561	561	560	555	541	551	557	552	572	570	578	548	557	557	572	588	595	605	587	594	588	578	569	2	19 41	617	13 54	533	84
23			✓	572	559	555	555	551	545	541	565	602	618	643	658	629	597	570	557	565	570	567	567	572	572	570	570	578	1	11 43	666	6 05	536	130
24				568	566	565	566	565	562	550	559	572	576	578	584	582	579	569	552	536	536	549	557	562	565	568	568	564	1	11 42	601	17 05	532	69
25	✓	✓		568	563	563	562	561	554	543	554	574	585	599	610	615	638	651	609	573	556	555	559	562	561	562	567	577	0	13 54	668	6 30	540	128
26			✓	567	568	562	563	560	552	545	566	592	592	599	592	638	646	562	602	606	571	576	601	577	592	597	596	584	2	13 37	726	6 10	539	187
27			✓	589	583	576	563	561	562	557	577	596	(599	601)	603	610	601	583	587	590	588	575	572	572	570	565	572	581	0	11 43	614	6 26	552	62
28	✓			572	567	564	560	555	554	560	577	602	616	630	647	647	621	590	583	572	557	552	564	568	564	561	565	581	0	12 02	655	18 15	548	107
29				564	562	557	558	562	552	539	555	582	601	609	596	577	567	557	564	568	567	566	565	566	566	565	564	568	0	10 33	619	6 12	536	83
30	✓	✓		562	559	557	557	556	554	550	568	594	612	624	627	627	602	570	552	555	558	562	568	566	567	567	565	574	0	12 12	634	6 33	545	89
31	✓			559	553	552	555	556	544	533	560	587	604	598	590	574	559	558	564	567	568	562	564	565	565	564	562	565	0	9 45	611	6 17	526	85
MEANS ALL DAYS				565	562	560	560	558	552	543	558	579	591	603	607	604	593	580	568	561	560	561	567	569	570	569	567	571						87
MEANS TEN DAYS ✱				563	560	560	560	558	553	545	559	578	590	600	607	606	597	587	572	562	558	557	563	566	566	564	565	571						83
MEANS FIVE DAYS † (G. M. T.)				565	562	562	561	560	555	543	553	574	589	602	611	611	608	598	577	565	558	557 557	562 562	567	568	568	566	572						
MEANS FIVE DAYS ‡ (G. M. T.)				570	566	562	558	555	551	544	563	588	595	608	608	612	594	567	572	576	572	572	577	571	576	574	573	575						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 179

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1926 — FEBRUARY 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				558	554	554	552	547	544	544	562	586	589	601	601	608	589	567	562	557	558	558	570	567	572	568	563	568	0	12 35	611	6 18	541	70
2				559	552	549	549	552	552	536	543	564	579	593	598	601	578	576	589	592	578	572	574	572	568	567	563	569	0	12 27	607	6 28	532	75
3				555	548	552	551	547	548	555	568	589	607	612	616	606	587	567	562	563	560	560	567	572	572	567	567	571	0	11 19	623	4 33	545	78
4				563	558	557	558	562	561	553	557	575	589	607	597	597	604	612	606	586	577	567	569	572	567	567	563	576	0	15 11	618	6 36	549	69
5	✓			558	556	556	556	557	557	552	552	559	575	576	577	567	567	566	567	557	557	558	562	566	566	566	564	562	0	11 11	583	7 00	547	36
6	✓	✓		561	557	556	555	559	564	558	567	583	596	601	590	577	568	563	567	570	574	567	562	565	565	562	558	569	0	10 30	606	3 36	552	54
7	✓	✓		557	556	556	554	556	559	556	564	578	590	596	597	585	577	578	576	567	560	557	558	562	562	560	557	567	0	10 04	602	3 21	550	52
8	✓	✓		557	554	554	554	558	560	553	554	566	576	584	587	592	593	594	577	556	558	558	558	561	562	562	558	566	0	14 05	599	7 00	551	48
9		✓		557	557	554	555	556	552	543	547	557	564	572	578	582	587	585	578	570	556	556	557	561	562	564	563	563	0	14 04	588	6 51	541	47
10				561	556	555	555	555	553	539	543	562	574	579	581	579	570	562	556	547	543	552	560	565	571	569	567	561	0	11 06	582	6 45	534	48
11			✓	563	562	561	559	561	555	536	536	557	584	593	593	585	566	550	548	554	559	566	572	574	576	574	570	565	0	10 58	602	6 51	531	71
12				568	561	558	557	554	549	538	550	574	597	608	612	601	594	585	571	556	548	552	560	565	563	563	568	569	0	11 11	623	6 36	534	89
13				564	565	561	555	557	547	522	533	557	568	572	573	572	562	557	(558)	556	560	557	561	566	569	569	569	560	0	12 05	590	6 36	519	71
14				572	563	560	557	556	553	544	553	585	603	604	623	606	586	575	568	556	548	552	565	572	574	570	572	572	0	11 21	643	6 34	542	101
15				567	567	560	557	559	551	536	538	572	592	598	604	602	597	591	562	552	543	552	563	569	572	569	566	568	0	11 45	609	7 05	526	83
16				562	561	557	557	554	554	546	562	598	627	633	627	608	581	562	555	547	(546)	546	556	564	564	563	562	570	0	10 13	637	6 27	542	95
17				559	557	554	552	549	549	535	539	564	587	595	588	575	566	560	552	546	549	547	557	574	576	571	564	561	0	10 41	608	7 12	531	77
18			✓	563	562	563	561	562	562	548	550	569	586	596	609	612	602	604	596	574	561	550	555	557	560	562	561	572	0	12 00	615	6 55	542	73
19	✓			559	562	562	559	562	561	550	551	563	576	588	594	596	592	578	566	553	553	552	558	564	562	562	561	566	0	12 01	602	6 51	544	58
20	✓			562	561	561	564	569	563	551	551	556	555	561	574	584	591	(586)	558	546	543	548	554	559	561	560	561	562	0	13 48	595	17 09	541	54
21	✓			562	564	565	564	563	556	546	546	552	554	566	584	592	578	567	562	555	550	552	558	561	561	560	563	562	0	13 03	599	6 51	542	57
22	✓			565	562	562	562	559	557	540	537	557	576	587	592	576	562	563	562	563	563	561	561	567	567	567	567	564	0	11 19	598	7 18	531	67
23			✓	565	566	566	565	562	560	551	559	577	587	596	597	502	587	562	566	552	563	574	563	582	591	589	584	574	2	12 28	616	15 03	534	82
24			✓	582	572	584	572	593	602	562	564	548	586	586	603	597	612	611	608	602	588	593	596	596	596	587	573	588	2	14 00	626	8 55	534	92
25			✓	566	554	545	550	541	536	546	583	612	629	624	627	618	598	585	573	568	562	560	566	571	567	567	562	575	0	9 30	632	5 33	532	100
26				559	547	556	561	561	553	545	553	566	579	593	588	577	567	567	571	562	557	559	560	564	564	562	561	564	0	11 57	602	6 32	541	61
27	✓	✓		558	556	552	552	554	548	539	552	582	607	616	622	612	604	585	574	562	560	557	561	563	562	562	560	571	0	11 54	623	6 33	535	88
28	✓			556	552	552	552	540	549	547	564	587	599	596	592	576	572	576	569	570	562	561	562	565	565	564	561	567	0	9 51	608	6 26	544	64
29																																		
30																																		
31																																		
MEANS ALL DAYS				562	559	558	557	558	556	545	553	571	587	594	597	592	583	576	570	562	558	559	563	568	568	567	565	568						70
MEANS TEN DAYS ✲				560	558	558	557	559	557	549	554	568	580	587	591	586	580	576	568	560	558	557	559	563	563	562	561	566						58
MEANS FIVE DAYS (G. M. T.) †				558	556	554	554	557	557	550	557	573	587	594	595	590	586	581	574	565	562	560 559	560 559	564	564	562	560	567						
MEANS FIVE DAYS (G. M. T.) ‡				568	563	564	561	564	563	549	558	573	594	599	606	603	593	582	578	570	567	569	567	577	580	577	571	575						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⃤ = NO RECORD

TABLE 180

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				556	552	547	548	552	550	545	552	569	583	596	585	586	573	569	561	558	557	556	567	566	567	567	565	564	0	10	30 600	6	54 542	58
2				557	546	552	549	553	548	537	542	559	583	597	602	591	593	586	578	572	559	554	561	566	566	565	561	566	0	10	46 612	6	33 533	79
3				557	555	556	556	556	552	536	532	547	563	588	612	615	612	596	582	558	549	552	558	560	562	562	560	566	0	11	41 623	7	04 526	97
4	✓			559	557	556	555	557	554	538	534	542	554	566	572	581	575	556	542	545	544	551	556	557	558	558	557	555	0	12	21 583	7	17 531	52
5			✓	556	557	555	555	556	545	517	511	532	555	617	623	629	632	602	588	586	579	569	577	572	566	562	565	571	2	12	43 677	7	14 502	175
6			✓	569	570	576	573	574	571	562	547	560	573	583	596	596	602	598	588	576	563	557	557	558	566	566	564	573	0	13	47 606	7	09 542	64
7				562	562	560	560	560	557	549	547	556	568	582	602	607	595	584	583	568	562	561	567	568	566	562	562	569	0	12	35 612	7	30 544	68
8	✓	✓		559	558	557	557	559	559	547	546	549	556	562	564	558	552	555	555	554	555	558	561	561	561	562	560	557	0	11	15 566	7	00 544	22
9			✓	559	555	553	555	556	556	556	552	548	548	572	567	562	590	582	569	565	569	575	574	571	566	565	565	564	2	14	05 608	12	06 512	96
10			✓	566	559	559	564	561	563	564	568	579	592	594	596	585	578	569	557	556	556	557	565	563	565	561	560	568	0	11	24 602	1	54 552	50
11				546	557	558	562	564	563	557	557	563	568	566	562	552	560	558	559	558	553	562	562	566	566	561	562	560	1	9	45 577	0	33 542	35
12				558	560	562	562	561	564	557	557	575	587	594	585	586	587	577	571	562	558	556	562	561	561	560	558	568	0	10	39 600	7	25 552	48
13				557	557	559	558	558	555	553	552	572	578	579	(576)	572	563	(557)	550	547	548	555	556	557	563	563	562	560	0	9	39 583	16	21 546	37
14	✓			560	560	560	555	559	554	541	541	548	556	561	562	561	554	552	552	553	553	552	552	553	557	559	557	555	0	11	59 564	6	48 536	28
15	✓	✓		556	557	557	556	556	556	547	547	557	559	564	564	564	563	549	544	544	546	547	550	551	555	558	558	554	0	10	50 569	16	02 542	27
16	✓			558	558	557	557	562	560	552	556	578	594	608	612	609	605	592	582	572	561	557	560	560	560	560	560	572	0	11	54 616	7	00 548	68
17				558	557	557	558	559	557	547	548	568	578	592	602	602	592	585	572	553	546	546	545	552	558	558	562	565	0	11	33 606	19	34 542	64
18			✓	560	562	560	558	556	553	537	543	575	594	602	612	606	600	590	581	575	567	561	566	568	568	568	568	572	0	11	48 620	6	42 531	89
19				565	564	561	560	561	556	540	533	547	562	575	580	590	594	592	590	573	561	556	557	556	560	567	555	565	0	13	00 607	7	15 532	75
20				553	556	551	555	561	561	556	555	559	558	558	573	582	584	577	566	554	551	552	562	562	564	564	561	561	0	13	12 592	17	42 547	45
21				562	564	562	567	562	562	562	568	580	586	593	599	600	598	585	575	561	551	548	551	558	559	560	560	570	0	12	15 605	18	39 546	59
22				559	559	551	552	554	554	542	547	558	566	570	575	579	577	571	563	554	548	551	556	558	556	556	557	559	0	13	10 581	6	15 539	42
23	✓			555	553	553	553	554	553	546	546	556	565	564	564	568	570	570	567	562	557	556	555	555	555	555	555	558	0	14	00 572	6	42 542	30
24				552	550	550	549	553	551	542	551	563	575	573	579	574	571	567	562	555	555	556	557	558	557	556	555	559	0	9	56 588	7	48 539	49
25	✓	✓		551	550	551	552	551	549	542	542	549	552	552	553	556	560	552	543	543	546	552	552	554	556	555	554	551	0	13	11 563	7	11 541	22
26	✓	✓		551	545	546	551	551	551	545	551	559	563	561	567	562	560	561	560	559	559	556	555	555	555	554	552	555	0	11	33 573	6	26 543	30
27	✓			551	551	551	550	551	552	552	556	562	572	576	586	585	582	566	557	556	556	556	552	555	555	558	554	560	0	11	44 601	4	00 546	55
28				552	550	547	550	552	551	549	562	573	584	579	583	581	570	566	560	554	556	552	555	555	555	552	552	560	0	11	51 595	6	35 543	52
29				552	549	544	549	547	547	544	555	567	579	589	592	592	574	568	561	555	555	555	556	558	556	556	556	561	0	11	36 602	6	32 542	60
30				554	552	551	551	551	553	549	556	558	586	582	576	571	571	566	566	562	561	554	555	556	557	556	554	560	0	10	30 592	6	35 545	47
31	✓	✓		555	555	554	554	553	553	547	547	549	557	567	574	579	576	568	562	563	559	553	552	552	555	555	555	558	0	12	39 585	7	11 545	40
MEANS ALL DAYS				557	556	555	556	557	555	547	548	560	571	579	584	583	581	573	566	560	556	556	558	559	560	560	559	562						57
MEANS TEN DAYS ✲				556	554	554	554	555	554	546	547	555	563	568	572	572	570	562	556	555	554	554	554	555	557	557	556	558						37
MEANS FIVE DAYS † (G. M. T.)				554	553	553	554	554	554	546	547	553	557	561	564	564	562	557	553	553	553	555 553	557 554	558	559	558	556	555						
MEANS FIVE DAYS ‡ (G. M. T.)				562	561	561	561	561	558	547	544	559	572	594	599	596	600	588	577	572	567	564	563	563	562	561	562	569						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 181

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1926 — APRIL 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			554	553	554	554	554	552	547	547	551	558	576	582	583	577	568	558	557	556	556	554	552	554	553	552	558	0	12 24	586	7 42	546	40
2	✓	✓		550	550	550	550	550	549	550	552	558	567	576	587	591	583	562	552	549	547	549	550	552	556	555	553	558	0	13 09	596	17 54	546	50
3	✓			552	549	549	551	551	547	544	547	546	564	582	590	593	582	557	546	543	551	555	556	555	555	554	553	557	0	12 40	595	16 33	542	53
4	✓			553	554	552	550	549	546	542	541	547	562	576	583	584	588	576	561	556	550	550	550	551	554	555	552	558	0	12 59	592	7 00	537	55
5				552	552	553	555	557	558	558	552	548	551	556	561	572	573	563	554	548	544	544	544	548	550	550	548	554	0	12 57	575	18 33	543	32
6			✓	550	552	557	566	570	569	562	553	540	542	544	551	562	572	564	559	561	556	555	552	553	554	555	545	556	1	14 07	575	8 17	533	42
7			✓	551	555	556	557	560	559	551	555	551	543	552	562	572	576	571	560	552	549	551	550	550	552	554	548	556	1	13 47	578	9 15	533	45
8				545	545	553	559	563	560	558	561	569	566	562	561	568	567	563	552	548	551	555	553	553	554	555	549	557	0	8 08	573	1 31	542	31
9				551	553	557	561	562	567	569	569	565	565	563	562	564	569	569	562	559	559	554	552	551	552	550	551	560	0	7 13	579	23 10	546	33
10				552	557	560	562	562	567	572	572	573	572	573	569	573	568	562	556	552	552	553	551	552	553	554	554	561	0	10 48	581	19 29	550	31
11				549	552	558	562	567	572	574	577	579	575	569	559	562	576	567	557	552	552	549	545	550	552	552	553	561	0	8 45	582	19 15	543	39
12				552	552	556	561	562	567	572	565	558	551	547	544	547	558	559	555	547	546	547	548	555	556	553	553	555	0	6 30	576	11 34	541	35
13				552	555	557	561	564	568	571	574	583	583	587	582	574	579	575	563	(556	554	553	552	553	554	554	554	565	0	10 33	591	0 16	551	40
14			✓	551	552	555	555	557	561	562	567	566	591	582	591	563	576	570	543	545	547	544	547	558	571	557	567	562	2	11 18	607	15 45	529	78
15			✓	573	579	583	567	569	583	578	597	617	623	613	608	599	592	583	581	572	565	561	559	558	557	558	555	580	2	9 33	643	23 54	551	92
16			✓	561	566	564	561	564	562	563	575	585	586	582	588	592	587	577	572	563	560	557	561	563	565	562	561	570	1	12 30	600	0 01	553	47
17				561	561	560	562	563	563	557	561	563	572	584	587	586	586	582	572	561	556	551	552	552	556	557	557	565	1	10 54	592	18 45	550	42
18				558	559	559	559	562	556	548	542	535	535	537	551	572	581	580	(572	557	552)	552	550	550	552	551	551	555	0	14 19	583	9 46	528	55
19	✓			553	554	556	559	559	563	570	574	571	564	566	572	577	579	579	576	563	559	555	556	556	556	555	554	564	0	13 30	581	0 15	552	29
20	✓	✓		553	552	553	553	554	559	558	553	556	570	578	586	591	588	582	571	558	550	550	548	550	549	549	548	561	0	12 39	592	23 39	546	46
21				550	552	551	552	555	557	564	563	574	574	578	577	580	580	579	572	564	564	570	567	557	554	552	543	564	0	13 08	589	23 22	539	50
22				552	549	546	544	546	548	549	563	570	565	562	562	569	573	577	574	565	555	558	560	562	558	552	549	559	1	13 09	586	3 51	543	43
23				551	552	553	556	558	558	552	552	550	543	547	550	560	569	572	567	559	552	5 51	549	552	553	552	547	554	0	14 15	573	9 47	539	34
24				551	552	553	554	557	561	552	542	538	532	551	562	571	572	583	583	572	554	552	551	548	549	551	549	556	1	14 25	589	9 36	523	66
25				551	549	551	551	555	557	553	537	525	519	522	532	542	560	571	566	559	552	553	548	552	555	551	551	548	0	14 30	572	9 35	514	58
26				551	551	551	547	547	551	552	553	557	553	562	571	569	569	564	562	557	558	553	551	551	553	553	548	556	0	11 57	572	3 36	544	28
27	✓			547	550	552	552	554	554	554	554	550	549	557	572	585	590	589	572	553	550	546	546	548	549	552	552	557	0	13 44	592	18 29	544	48
28	✓	✓		550	551	552	554	556	554	545	532	527	529	538	555	566	567	563	571	566	555	547	544	546	548	552	552	551	0	15 33	572	9 05	525	47
29	✓	✓		552	552	552	553	555	556	548	540	536	533	534	539	545	549	559	561	560	555	551	550	551	551	552	551	549	0	15 54	562	9 39	532	30
30	✓	✓		552	552	552	554	555	561	564	563	565	569	575	578	582	581	577	571	558	550	547	545	546	547	547	546	560	0	13 01	584	19 24	544	40
31																																		
MEANS ALL DAYS				553	554	555	556	558	560	558	558	558	560	564	569	573	576	571	564	557	553	552	551	552	554	553	552	559						45
MEANS TEN DAYS ✲				552	552	552	553	554	554	552	550	551	556	566	574	580	578	571	564	556	552	551	550	551	552	552	551	557						44
MEANS FIVE DAYS † (G. M. T.)				551	551	552	553	554	556	553	548	548	554	560	569	575	574	569	565	558	551	551 549	550 547	551	552	553	552	556						
MEANS FIVE DAYS ‡ (G. M. T.)				557	56..	563	561	564	567	563	569	572	577	575	580	578	581	573	563	559	555	554	551	554	557	555	554	564						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 182

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1926 — MAY 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		546	547	547	547	552	553	547	542	532	524	523	541	563	574	582	579	561	552	549	542	545	548	548	549	550	0	14 50	586	10 15	522	64
2	✓	✓		549	551	550	551	554	561	556	553	552	544	542	552	569	574	577	574	563	555	547	542	543	548	550	544	554	0	14 20	581	10 25	539	42
3				547	549	551	552	553	552	542	532	522	521	529	540	562	579	582	579	562	547	541	543	547	554	552	554	550	1	14 35	583	9 12	520	63
4			✓	555	555	562	565	568	572	572	565	553	541	527	542	566	573	582	576	571	556	555	557	552	552	546	549	559	1	14 52	585	10 45	519	66
5			✓	552	552	561	564	572	577	566	553	546	542	542	556	579	582	580	567	562	552	551	550	549	552	552	546	559	1	13 05	588	10 12	530	58
6			✓	549	551	554	561	562	562	560	553	542	544	544	554	572	582	589	584	567	558	555	552	551	553	551	549	558	1	14 22	594	9 06	534	60
7				551	551	553	556	557	559	562	562	561	554	552	562	573	569	568	564	562	558	552	547	547	548	550	550	557	0	12 45	575	10 05	547	28
8				552	553	554	561	563	567	570	562	554	552	560	562	554	558	563	562	560	554	549	546	543	549	551	547	556	0	6 18	572	20 38	542	30
9				549	553	555	557	562	567	570	563	554	551	549	549	546	542	549	544	549	552	547	546	544	548	544	542	551	0	6 10	572	13 15	535	37
10			✓	543	549	554	564	572	582	582	592	579	574	559	554	552	554	563	560	555	557	551	547	548	552	551	548	560	1	7 42	598	0 38	540	58
11			✓	551	553	558	559	560	564	577	581	570	562	554	553	550	546	557	553	546	547	544	543	550	553	552	552	556	1	7 40	588	17 32	542	46
12				549	547	545	552	562	566	581	582	581	580	581	568	554	545	543	549	549	546	551	544	545	550	552	552	557	1	6 45	593	13 45	541	52
13				553	548	540	549	554	562	574	575	572	565	569	562	565	562	551	544	547	552	547	543	544	551	552	551	556	0	7 40	581	2 35	538	43
14				551	549	550	551	552	553	562	570	568	571	570	571	568	560	552	552	552	550	545	543	546	550	552	551	556	0	7 38	572	19 05	542	30
15	✓	✓		551	550	551	550	552	557	561	565	572	584	600	607	603	582	570	555	551	551	546	543	544	551	551	550	562	0	11 30	610	19 45	542	68
16	✓			551	551	552	552	552	554	557	561	560	559	563	572	572	568	(563	555	551)	545	548	547	551	552	551	549	556	0	11 54	573	17 50	543	30
17				551	552	552	553	554	561	568	565	556	543	540	552	561	554	543	536	532	532	537	534	547	554	552	551	549	0	6 45	572	19 30	531	41
18				552	552	551	552	554	555	560	554	548	544	544	549	552	551	545	541	542	547	542	541	542	544	545	545	548	0	6 15	562	9 50	540	22
19				546	544	542	543	552	556	566	572	562	551	552	562	572	571	564	557	553	552	550	548	551	552	548	542	555	0	13 06	575	2 43	538	37
20				533	535	542	544	549	552	558	569	569	558	562	569	572	571	571	565	558	552	551	546	550	548	547	551	555	0	8 50	582	0 30	532	50
21				549	545	547	544	552	553	563	575	577	579	582	582	577	572	565	561	552	552	549	544	545	548	550	550	559	0	11 20	589	3 15	542	47
22				548	549	552	551	551	551	546	545	544	543	546	555	562	568	569	565	554	549	549	542	544	547	549	548	551	0	14 00	572	9 38	541	31
23				546	549	547	545	552	553	558	552	544	546	552	570	574	564	567	564	555	551	549	544	545	549	550	548	553	0	12 15	579	9 03	542	37
24	✓			547	549	548	551	548	552	557	552	545	545	551	570	582	572	560	554	551	545	543	544	545	547	546	546	552	0	12 10	583	19 30	542	41
25				549	546	550	550	553	553	555	554	542	533	532	538	552	552	553	558	553	551	549	548	550	551	551	548	549	0	15 30	559	9 54	528	31
26	✓	✓		550	550	551	551	552	553	557	560	557	551	552	569	579	577	572	562	551	544	543	544	543	543	543	543	554	0	13 00	580	23 55	542	38
27	✓			542	544	545	544	545	549	552	552	547	542	537	542	559	563	559	552	543	542	545	544	544	544	543	542	547	0	14 00	564	10 30	532	32
28	✓			542	543	543	544	543	543	548	563	568	572	579	578	568	558	562	558	548	545	544	544	544	544	545	544	553	0	11 00	582	0 45	541	41
29	✓			544	542	543	543	547	551	559	562	549	542	541	544	543	544	553	562	552	542	539	539	541	542	543	543	546	0	15 15	563	19 20	538	25
30	✓			542	543	543	546	548	551	557	563	560	548	542	539	540	546	548	552	551	543	542	541	542	542	543	544	546	0	7 20	567	11 40	537	30
31		✓		542	542	543	545	547	549	551	552	550	545	543	541	543	551	552	552	545	542	542	539	541	542	543	543	545	0	7 10	555	11 45	537	18
MEANS ALL DAYS				548	548	550	552	555	558	561	561	556	552	552	558	564	563	563	559	553	549	547	544	546	549	548	547	553						42
MEANS TEN DAYS ✲				546	547	547	548	549	552	555	557	554	551	553	561	568	566	565	560	552	546	545	543	544	546	546	545	552						41
MEANS FIVE DAYS (G. M. T.) †				548	548	548	549	551	555	554	554	553	550	552	562	571	572	571	564	554	549	546 545	544 542	546	548	548	548	553						
MEANS FIVE DAYS (G. M. T.) ‡				550	552	558	563	567	571	571	569	558	553	545	552	564	567	574	568	560	554	551	549	548	552	549	548	558						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 183

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1926 — JUNE 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1			✓	545	545	546	548	552	558	574	586	559	580	528	522	531	538	542	540	524	540	552	548	557	554	554	555	549	2	7 45	605	11 22	512	93
2			✓	552	552	540	546	541	560	586	599	597	576	547	539	547	554	555	556	551	546	546	544	545	548	548	549	555	1	7 50	606	4 02	531	75
3	✓			550	550	552	554	557	563	572	572	560	552	546	546	548	549	557	553	547	541	542	545	545	547	548	548	552	0	7 10	574	17 50	539	35
4	✓	✓		547	546	547	552	557	562	570	572	564	552	544	544	550	556	560	552	540	538	540	540	542	544	545	544	550	0	7 12	576	17 10	534	42
5	✓			546	546	548	550	555	558	560	563	564	562	564	566	567	572	578	572	557	547	542	542	542	544	546	546	556	0	14 45	582	19 35	541	41
6				545	546	548	552	554	559	562	552	536	518	506	513	526	530	542	547	538	538	538	541	544	546	547	548	541	0	6 15	566	11 00	503	63
7				549	550	552	557	562	562	576	581	578	563	554	544	542	542	353	560	552	541	537	542	542	547	547	546	553	0	8 12	584	18 30	535	49
8			✓	546	548	554	557	557	559	573	581	576	558	544	536	540	554	561	555	549	545	538	542	549	549	549	545	553	1	7 12	586	11 45	530	56
9			✓	540	546	550	556	559	569	580	579	569	550	540	533	536	544	548	542	538	540	540	539	542	547	548	550	549	0	7 22	584	11 50	531	53
10				552	552	549	550	559	562	570	571	567	556	546	542	547	559	562	563	(553)	542	540	539	543	550	549	548	553	1	7 35	576	18 30	538	38
11	✓			547	549	550	551	553	(556)	563	564	556	547	541	(546)	553	561	558	556	(552)	546	540	539	541	(542)	544	546	550	0	7 45	565	18 26	538	27
12	✓	✓		547	549	550	552	(552)	554	556	554	(550)	546	(546)	544	544	553	552	(550)	544	542	541	541	542	544	545	546	548	0	13 40	557	19 12	540	17
13	✓			548	549	550	552	554	557	562	558	554	548	543	538	544	551	555	555	546	541	540	541	544	545	547	548	549	0	6 15	563	11 30	536	27
14				548	549	549	550	552	554	556	554	544	533	528	542	557	558	556	551	544	538	539	539	540	542	544	542	546	0	13 15	560	10 20	526	34
15				542	546	547	542	543	544	541	544	542	534	532	538	552	562	572	(569	558)	546	540	539	542	545	542	544	546	0	14 40	573	10 03	524	49
16				545	542	544	544	543	545	549	541	531	529	530	534	543	560	574	567	556	548	540	540	540	542	542	543	545	0	14 20	575	10 50	526	49
17				545	546	544	542	547	552	558	550	541	531	534	542	541	547	555	(553)	542	539	536	536	541	542	542	540	544	0	6 25	561	9 45	527	34
18				544	542	543	544	547	555	562	564	565	556	547	547	558	570	567	561	552	540	537	538	542	543	544	543	550	0	13 45	572	18 45	536	36
19				542	542	544	543	543	544	542	545	543	538	538	539	544	561	570	563	550	543	541	541	542	542	543	542	545	0	14 00	572	10 00	532	40
20	✓	✓		543	544	545	546	548	551	557	558	554	553	546	529	527	536	549	546	542	538	536	540	541	544	545	543	544	0	6 45	562	12 15	522	40
21	✓			543	543	546	545	547	553	563	574	576	567	560	550	545	554	560	548	531	530	538	539	539	540	542	542	549	0	8 30	577	17 00	525	52
22				542	542	542	542	543	546	554	564	562	548	532	525	528	540	548	550	544	543	544	542	541	539	539	539	543	1	8 00	568	12 03	522	46
23			✓	539	540	542	543	545	552	567	578	570	554	537	526	527	535	546	550	556	548	544	540	537	538	539	541	546	1	8 03	581	10 45	521	60
24				538	538	536	539	544	548	562	577	576	565	558	549	545	543	551	551	543	538	539	539	542	542	542	542	548	0	8 00	582	2 10	534	48
25	✓	✓		542	542	542	544	549	552	559	567	569	561	554	549	544	538	540	536	535	538	536	537	539	542	543	543	546	0	8 05	572	16 50	534	38
26	✓	✓		543	543	543	544	546	549	552	548	544	533	524	524	530	545	560	560	549	538	538	538	540	542	542	542	542	0	15 00	566	11 05	522	44
27				542	542	543	546	550	552	552	541	525	512	504	507	513	526	546	554	544	532	528	526	532	537	541	542	535	0	15 05	556	10 40	502	54
28				543	544	545	547	551	556	566	570	562	546	538	534	540	542	546	542	540	531	532	538	538	540	543	544	545	0	7 18	574	17 25	527	47
29				544	542	540	540	544	552	561	556	551	541	538	542	549	550	546	546	543	535	534	536	541	542	542	543	544	0	6 45	569	18 30	534	35
30				544	544	544	548	549	550	555	557	551	542	539	548	558	571	565	553	545	537	535	536	538	541	544	544	547	0	13 48	572	19 20	534	38
31																																		
MEANS ALL DAYS				545	545	546	548	550	554	562	564	558	548	540	538	543	550	556	553	545	540	539	540	542	544	545	545	547						45
MEANS TEN DAYS ✲				546	546	547	549	552	556	561	563	559	552	547	544	545	552	557	553	544	540	539	540	542	543	545	545	549						36
MEANS FIVE DAYS † (G. M. T.)				544	545	545	548	550	554	559	560	556	549	543	538	539	546	552	549	542	539	540 538	540 539	542	543	544	544	546						
MEANS FIVE DAYS ‡ (G. M. T.)				544	546	546	550	551	560	576	585	574	564	539	531	536	545	550	549	544	544	544	543	546	546	546	546	550						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 184

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1926 — JULY 1926

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			543	543	543	544	546	548	551	551	543	543	537	542	553	562	563	556	544	540	535	533	541	542	543	544	545	0	14 10	567	10 25	533	34
2				542	543	544	545	545	545	553	551	546	542	542	547	551	553	554	553	551	544	540	536	536	538	538	542	545	0	7 00	559	19 10	535	24
3				543	543	543	543	544	549	556	559	552	545	542	533	541	554	563	558	550	541	537	537	539	542	543	543	546	0	14 30	565	11 40	532	33
4				544	543	544	546	547	552	553	552	556	557	546	542	544	553	562	556	543	537	536	534	538	540	542	543	546	0	14 50	564	19 10	532	32
5			✓	543	544	547	550	552	554	557	560	541	512	506	505	513	529	541	544	542	536	533	534	537	541	542	542	538	1	7 21	568	10 20	501	67
6				543	543	544	547	551	553	562	564	553	548	542	540	542	547	548	551	549	542	541	541	540	540	541	541	546	0	7 30	569	10 57	536	33
7			✓	542	541	544	551	552	554	562	564	561	551	551	541	541	541	547	548	546	538	541	541	541	541	542	541	547	1	7 10	572	11 28	533	39
8				539	540	542	545	551	552	562	572	571	552	541	538	542	548	552	559	547	536	536	536	537	540	541	542	547	0	7 15	574	17 35	532	42
9	✓			543	543	543	547	551	552	559	556	546	537	532	537	541	551	551	553	550	542	542	(541)	541	542	542	542	545	0	6 25	562	10 32	531	31
10	✓			542	542	543	551	551	552	562	562	555	542	526	520	516	522	534	543	550	544	541	541	542	542	543	543	542	0	6 52	565	12 03	512	53
11	✓	✓		543	543	544	546	551	555	571	571	561	541	523	520	524	536	542	542	541	532	534	537	541	542	542	542	543	0	7 15	573	11 27	516	57
12				540	536	539	542	543	550	562	581	575	556	540	541	544	551	542	533	536	540	542	541	536	541	542	542	546	0	7 55	583	15 45	532	51
13				542	542	543	543	548	552	562	570	562	551	545	538	539	543	551	552	543	542	541	541	540	540	542	542	546	0	7 54	572	11 33	534	38
14	✓	✓		541	541	541	542	541	544	553	556	552	548	547	551	552	551	550	548	541	537	537	537	540	541	541	543	545	0	6 50	561	17 30	533	28
15				541	536	535	542	542	545	562	563	554	542	535	536	542	549	554	552	540	532	534	543	542	541	541	540	543	0	7 03	570	17 30	529	41
16				540	541	541	545	547	549	552	557	554	548	543	545	544	554	562	557	546	540	536	536	539	540	541	541	546	0	7 48	561	18 50	532	29
17				538	538	540	541	542	549	555	562	556	547	542	542	549	552	546	544	535	532	532	534	539	539	540	541	543	0	7 20	566	17 40	530	36
18				541	542	536	541	542	542	552	562	556	544	544	544	544	552	552	545	542	541	536	536	536	539	541	541	544	0	7 50	571	2 25	532	39
19				541	542	542	544	543	544	548	545	542	531	534	541	544	557	561	(552)	542	533	533	534	537	538	541	541	542	1	14 06	564	9 10	528	36
20				541	541	542	543	544	546	554	552	542	532	(525	521)	523	533	542	542	533	532	537	537	533	535	536	537	538	0	6 25	561	[12 05	519	42
21	✓	✓		536	537	539	542	543	543	552	557	550	539	539	533	542	551	547	546	546	542	542	538	539	539	539	541	543	0	7 20	559	11 30	532	27
22	✓	✓		541	540	537	542	544	547	552	553	542	534	537	552	556	548	541	537	539	540	538	533	533	537	537	537	542	0	12 15	560	9 42	530	30
23	✓	✓		536	536	536	540	542	548	562	557	547	536	531	533	547	556	561	556	546	537	536	533	533	533	533	533	542	0	6 30	566	10 45	528	38
24				534	534	535	540	541	547	552	552	550	548	546	552	549	540	542	545	549	542	534	532	532	534	534	538	542	0	6 40	555	18 45	531	24
25	✓			541	541	542	544	549	552	556	548	532	524	522	533	551	558	547	544	548	542	533	533	534	534	534	535	541	0	13 20	562	10 05	520	42
26	✓			536	539	540	542	543	551	554	551	542	529	518	530	551	562	554	543	541	537	536	537	537	537	537	535	541	0	13 15	564	10 32	515	49
27			✓	535	532	534	536	542	551	554	562	562	542	540	542	544	544	541	534	532	534	537	539	540	533	534	536	541	1	7 58	564	1 22	531	33
28			✓	533	523	525	541	542	544	552	565	575	574	573	562	561	554	543	538	539	543	544	544	544	550	546	542	548	1	8 36	583	1 58	518	65
29				542	538	540	542	548	548	544	554	562	554	543	541	533	533	545	554	554	546	545	543	542	544	544	544	545	0	8 33	564	13 12	531	33
30				543	544	545	549	550	551	552	559	561	564	572	583	585	581	583	567	548	542	541	533	533	534	541	541	554	1	12 20	592	19 40	532	60
31			✓	542	544	547	546	549	552	554	552	546	535	539	543	542	549	553	552	552	552	550	549	551	552	552	542	548	1	7 48	571	9 25	532	39
MEANS ALL DAYS				540	540	541	544	546	549	556	559	553	543	539	540	544	549	551	549	544	539	538	538	538	540	540	541	544						40
MEANS TEN DAYS ✱				540	540	541	544	546	549	557	556	547	537	531	535	543	550	549	547	545	539	537	536	538	539	539	540	543						39
MEANS FIVE DAYS † (G. M. T.)				539	539	539	542	544	547	558	559	550	540	535	538	544	548	548	546	543	538	540 537	538 536	537	539	539	540	543						
MEANS FIVE DAYS ‡ (G. M. T.)				539	537	539	545	547	551	556	561	557	543	542	539	540	543	545	543	542	541	541	537	538	537	539	539	543						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 185

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1926 — AUGUST 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	547	551	552	556	559	561	561	561	552	555	559	562	564	559	554	553	552	547	543	542	542	544	543	544	553	1	12 20	567	19 35	541	26
2				545	543	544	543	548	552	555	552	544	535	533	542	545	542	538	542	545	542	540	540	537	541	541	542	543	0	6 33	560	10 10	531	29
3				543	543	544	551	554	555	561	564	561	551	542	536	541	534	531	536	540	541	541	532	535	540	542	542	544	1	7 38	570	14 10	525	45
4				542	544	546	551	552	554	555	551	543	542	542	541	549	552	542	542	545	545	541	535	541	542	542	542	545	0	12 38	553	11 10	534	19
5	✓			543	542	542	545	550	556	563	561	559	555	560	562	564	563	551	539	541	543	542	540	540	540	541	539	549	0	13 20	568	15 40	534	34
6	✓			539	540	541	543	545	549	553	549	542	532	534	551	562	560	554	555	553	543	541	539	540	540	540	540	545	0	12 50	565	9 42	529	36
7	✓	✓		540	540	540	542	544	552	559	555	551	542	543	545	542	535	539	543	543	544	542	533	537	541	541	542	543	0	6 32	562	13 30	532	30
8		✓		542	542	542	543	549	552	561	551	537	533	539	541	545	542	532	527	527	531	533	534	534	537	537	537	540	0	6 50	562	16 35	524	38
9			✓	538	538	542	542	547	549	555	556	548	547	551	551	554	557	552	545	549	538	538	541	543	545	542	541	546	1	12 42	562	17 33	535	27
10				538	540	544	548	552	555	563	561	▽										▽	541	541	540	540	542							
11	✓			542	542	542	543	545	552	562	568	564	562	562	562	560	544	530	524	529	539	540	539	539	538	537	535	546	0	7 50	571	15 38	522	49
12				534	534	535	542	544	548	555	562	553	542	542	547	553	547	542	535	532	532	534	539	542	541	541	540	542	1	7 40	567	17 08	530	37
13			✓	533	532	533	533	529	542	553	575	583	579	567	567	570	562	549	542	542	542	541	541	537	537	538	539	549	1	8 54	593	4 30	522	71
14				539	539	542	543	544	547	557	564	566	564	553	552	558	551	542	539	535	538	538	538	537	537	537	539	546	0	8 42	573	16 57	532	41
15				537	540	541	541	542	543	553	561	558	549	542	544	547	559	552	549	547	542	539	535	536	537	538	539	545	1	7 38	562	0 27	533	29
16				537	(537)	539	539	537	541	544	537	530	528	532	535	534	534	538	542	537	535	537	537	538	539	539	537	537	1	7 15	552	8 52	525	27
17			✓	534	533	533	537	543	552	561	563	559	542	532	534	541	552	557	552	543	541	542	542	540	537	535	533	543	1	7 56	569	10 30	530	39
18			✓	534	534	535	541	544	551	560	563	559	534	521	525	532	532	539	542	544	542	542	539	537	537	534	533	540	1	7 30	568	10 42	512	56
19				533	536	541	542	552	559	571	562	549	528	517	512	514	527	539	543	548	546	542	539	537	539	540	541	540	1	6 10	572	11 27	511	61
20				541	539	541	542	542	552	564	571	560	552	542	541	539	542	542	542	541	542	542	537	535	540	539	539	544	0	7 24	574	12 15	532	42
21	✓	✓		537	537	540	543	548	554	564	555	541	523	521	524	523	533	544	560	559	550	542	5_7	537	536	536	536	541	0	6 20	571	10 25	520	51
22	✓	✓		537	537	538	541	544	552	565	564	553	542	532	533	534	533	542	548	549	542	537	537	536	536	536	536	542	0	6 34	570	10 10	530	40
23	✓	✓		537	538	539	541	544	552	555	552	547	532	527	534	541	534	542	553	555	547	538	533	534	533	534	534	541	0	6 30	558	10 20	524	34
24				533	534	537	542	543	552	562	554	543	537	541	549	545	549	552	550	549	542	539	533	533	537	534	534	543	0	6 32	563	0 01	532	31
25				534	533	532	536	543	551	552	551	549	532	521	532	552	558	552	551	552	549	542	538	537	538	539	537	542	0	13 06	562	10 22	518	44
26				537	537	537	542	543	545	552	551	545	540	533	542	548	542	535	538	539	541	541	537	537	538	538	536	541	0	7 00	553	10 15	532	21
27	✓			536	536	536	538	542	545	553	555	552	545	541	542	551	552	544	547	543	542	541	535	534	534	533	533	542	0	7 20	558	23 30	533	25
28	✓			533	538	540	542	543	549	561	562	562	560	553	547	537	539	541	542	542	539	538	533	533	535	535	536	543	0	8 00	568	0 30	533	35
29	✓			537	535	535	539	541	544	550	542	529	523	517	521	532	546	553	547	537	536	532	531	531	532	532	534	536	0	14 15	555	10 25	515	40
30				536	537	540	542	545	551	552	545	541	536	531	532	540	549	551	544	542	540	532	531	532	532	533	537	540	0	7 06	553	11 12	529	24
31				539	540	541	542	545	549	551	545	538	531	532	545	552	551	551	551	542	539	532	530	532	531	532	534	541	0	6 27	553	10 06	529	24
MEANS ALL DAYS a)				538	538	540	542	545	550	557	557	551	542	539	542	546	546	544	544	543	541	539	537	537	538	538	538	543						37 a)
MEANS TEN DAYS ✲				538	538	539	542	545	550	558	556	550	542	539	542	545	544	544	546	545	542	539	536	536	536	536	536	543						37
MEANS FIVE DAYS † (G. M. T.)				539	539	540	542	546	552	561	555	546	534	532	535	537	535	540	546	547	543	541 538	537 535	537	539	538	539	542						
MEANS FIVE DAYS ‡ (G. M. T.)				537	538	539	542	544	551	558	564	560	551	546	548	552	552	550	547	546	542	541	540	541	541	541	538	546						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day August 10

TABLE 186

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1926 — SEPTEMBER 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		535	537	539	541	543	549	552	547	539	531	523	531	542	544	549	559	552	540	532	529	532	533	534	534	539	0	15 38	561	10 22	522	39
2	✓			534	535	537	541	543	547	554	550	542	529	522	527	537	548	547	539	526	521	526	529	529	530	530	533	536	0	6 24	555	10 12	518	37
3	✓			534	536	537	539	540	543	549	542	532	519	502	498	515	534	537	540	534	531	530	531	532	533	533	532	531	0	6 28	552	11 05	494	58
4	✓	✓		532	533	536	539	541	542	542	534	524	526	520	519	525	532	539	546	542	539	534	532	532	535	536	534	534	0	15 40	551	10 45	516	35
5	✓	✓		534	534	534	534	540	544	552	550	541	532	524	521	523	534	542	548	544	541	536	534	534	534	535	535	537	0	6 32	553	11 40	519	34
6	✓			534	535	535	535	539	549	554	544	536	530	522	526	528	521	519	525	534	543	547	542	539	537	536	534	535	0	6 25	562	14 10	514	48
7				534	534	533	535	541	548	555	563	565	562	556	546	542	547	553	547	545	544	541	538	537	531	532	533	544	0	8 20	570	21 34	530	40
8				534	533	537	542	551	563	576	579	580	566	545	539	537	536	546	549	551	551	557	552	551	554	543	539	550	1	8 33	588	10 42	518	70
9			✓	535	532	531	540	542	549	565	584	589	582	579	564	565	572	572	562	550	542	542	542	539	537	532	530	553	1	9 15	595	2 12	524	71
10				529	529	529	528	534	544	551	562	562	562	554	558	570	572	562	552	541	532	533	537	540	539	537	537	546	1	13 10	575	0 45	524	51
11				534	532	527	531	535	540	542	544	542	541	537	535	545	552	558	554	544	535	535	535	537	535	536	536	539	0	14 52	562	2 36	523	39
12				533	532	531	537	542	544	544	533	527	522	522	529	542	555	561	556	547	542	543	539	539	537	536	534	539	0	14 42	562	10 05	520	42
13	✓			534	534	536	537	540	544	549	544	542	541	539	541	547	552	553	542	534	533	535	535	535	535	535	534	540	0	13 45	555	16 50	531	24
14			✓	535	535	536	541	541	541	544	545	535	536	534	539	555	563	562	560	552	552	556	554	552	550	543	542	546	1	13 18	572	8 30	524	48
15			✓	541	541	543	545	546	550	553	552	552	548	553	551	569	580	582	559	554	553	548	545	544	542	546	547	552	1	14 06	595	1 35	529	66
16				550	549	547	547	547	547	542	539	543	550	551	554	561	570	575	(572)	565	549	550	547	548	546	544	541	551	1	15 00	579	7 20	534	45
17				541	541	540	541	542	544	546	542	535	534	541	553	562	566	562	555	543	533	532	532	533	535	535	534	543	1	13 30	571	18 48	530	41
18				533	529	530	537	545	544	542	533	531	542	559	569	585	572	560	549	544	546	545	543	542	541	540	534	546	1	12 57	595	8 15	525	70
19				533	534	534	536	532	532	531	542	551	552	559	572	592	595	572	565	552	544	541	539	538	537	535	535	548	1	13 12	608	6 10	525	83
20			✓	534	527	527	537	541	544	546	549	556	555	573	566	559	564	564	570	559	545	541	542	540	534	535	531	547	1	10 25	583	1 54	521	62
21			✓	512	513	513	514	527	525	535	559	564	572	561	552	536	541	551	564	572	559	555	551	546	544	542	540	544	1	10 57	579	3 27	502	77
22				532	534	540	541	542	547	555	555	555	561	561	562	563	561	560	560	552	543	540	542	542	541	541	541	549	1	11 50	569	0 35	531	38
23				537	539	540	542	542	544	546	550	550	552	551	559	558	551	545	546	541	532	534	539	540	539	537	539	544	0	11 25	562	17 40	529	33
24				535	537	538	541	541	542	542	544	546	544	552	554	557	554	552	542	533	530	532	535	535	536	534	535	541	0	12 15	562	17 12	529	33
25				535	535	539	542	542	541	541	537	542	547	556	571	577	571	559	549	538	532	535	534	535	536	537	539	545	0	12 09	579	17 30	531	48
26				537	538	539	541	540	541	541	540	540	543	552	566	577	574	557	532	522	520	530	△						0	13 00	582	17 12	517	65
27																					△	[530]	530	531	532	534	534							
28	✓	✓		534	532	532	532	532	530	521	517	522	526	540	554	569	579	566	552	540	531	529	532	534	533	533	532	538	0	13 15	585	7 22	516	69
29	✓	✓		532	532	532	532	532	530	523	516	516	521	534	554	570	568	562	549	539	531	530	532	532	533	534	533	536	0	12 20	573	8 18	515	58
30	✓			532	532	532	535	539	540	535	531	528	527	536	(546	556)	565	560	547	532	525	525	531	532	532	532	531	537	0	13 45	566	8 45	524	42
31																																		
MEANS ALL DAYS [a]				534	534	534	537	540	543	546	546	545	543	543	546	553	557	556	552	545	539	539	538	538	537	537	536	542						51 [a]
MEANS TEN DAYS ✲				534	534	535	536	539	542	543	538	532	528	526	532	541	548	547	545	538	534	532	533	533	534	534	533	536						44
MEANS FIVE DAYS † (G. M. T.)				533	534	535	536	538	539	538	533	528	527	528	536	546	551	552	551	543	536	531 532	531 532	532	533	534	533	537						
MEANS FIVE DAYS ‡ (G. M. T.)				531	530	530	535	539	542	549	558	559	559	560	554	557	564	566	563	557	550	548	544	543	542	538	536	548						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

[a] Twenty-eight days only, omitting incomplete days September 26 and 27

TABLE 187

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		530	530	532	532	534	534	526	520	520	527	537	541	548	551	545	540	530	525	529	532	534	534	533	532	533	0	13	37 552	7	48 516	36
2				531	531	531	531	532	534	535	535	539	537	545	549	552	557	550	541	534	530	532	535	537	535	532	528	537	0	13	40 561	17	15 528	33
3				526	525	527	532	535	534	531	527	523	520	513	520	525	524	530	532	529	532	536	539	539	535	535	535	529	1	20	42 542	9	42 504	38
4	✓			531	532	531	535	532	526	523	531	540	546	550	545	542	541	542	541	535	534	535	536	537	537	536	536	536	0	10	12 552	5	56 521	31
5	✓			534	533	533	533	537	539	533	533	532	529	531	533	535	541	541	536	532	531	533	536	537	537	536	535	535	0	13	55 543	9	42 527	16
6				533	533	532	530	532	534	539	542	543	538	539	539	540	550	549	545	542	539	536	536	536	535	538	534	538	0	13	44 553	3	25 528	25
7				532	528	532	533	536	539	540	543	546	541	556	552	558	561	561	553	551	546	545	543	543	541	537	536	544	0	13	59 563	1	54 523	40
8				535	535	531	531	534	533	529	534	539	545	555	562	565	569	564	552	543	537	537	536	536	537	537	535	542	0	13	57 570	6	33 525	45
9	✓			533	532	530	533	538	540	535	537	549	565	586	591	579	571	562	543	536	533	532	535	533	532	533	532	545	0	11	07 594	2	33 528	66
10	✓	✓		532	532	532	532	533	530	523	524	532	541	549	567	567	570	564	547	539	532	533	535	536	535	535	534	540	0	13	53 572	7	11 520	52
11				530	526	527	527	530	526	513	514	522	524	532	542	547	549	547	(538)	532	532	533	536	537	537	534	532	532	1	12	45 555	7	00 512	43
12	✓			534	535	534	533	537	537	535	542	544	547	552	563	574	592	577	564	552	542	531	532	533	534	533	532	545	1	13	24 610	18	15 529	81
13				530	529	529	531	532	531	528	534	540	(549)	562	577	578	574	565	551	531	525	519	512	521	539	537	532	540	1	12	14 584	19	42 508	76
14			✓	535	541	540	537	542	544	542	552	551	552	554	564	569	567	(560)	541	524	528	539	533	545	542	563	562	547	1	23	02 582	17	17 515	67
15			✓	552	537	529	523	522	530	544	552	547	541	537	542	542	545	575	585	589	594	582	582	572	567	554	551	554	2	17	33 619	13	33 491	128
16			✓	548	539	539	542	539	544	551	553	561	563	571	582	594	595	587	562	546	542	538	540	539	537	532	530	553	1	13	21 600	23	54 527	73
17				526	527	526	528	531	533	524	522	524	523	541	550	544	543	544	537	531	529	529	532	533	533	533	534	532	0	11	32 552	9	05 519	33
18				532	531	530	527	527	525	521	524	526	536	539	542	552	562	561	542	532	531	530	534	533	532	531	529	535	0	14	00 565	6	31 519	46
19			✓	524	523	524	524	522	521	521	523	525	(534	533	542)	539	545	549	547	541	532	529	531	531	530	532	530	531	1	12	01 559	5	25 518	41
20				527	523	522	522	523	529	532	535	536	540	542	551	560	560	557	542	529	526	523	527	526	527	528	528	534	0	11	55 562	18	15 521	41
21	✓	✓		527	528	525	528	531	530	529	532	535	543	552	553	553	553	549	(534)	524	525	524	531	531	531	531	530	535	0	12	30 557	2	18 523	34
22	✓	✓		527	526	525	528	531	532	534	541	540	542	551	552	544	540	(538	536	534)	531	531	533	533	533	533	532	535	0	11	22 559	1	45 524	35
23	✓	✓		532	531	531	532	535	534	532	531	534	542	551	553	556	559	552	542	534	532	531	534	534	535	533	532	538	0	13	25 562	7	00 529	33
24				532	531	532	532	533	534	532	533	525	531	536	544	549	553	552	541	529	531	532	533	534	534	537	533	536	0	14	10 557	8	38 523	34
25			✓	529	522	521	520	513	516	523	537	544	564	582	571	581	584	562	542	(531)	535	542	545	543	542	542	541	543	1	13	10 603	4	18 511	92
26				539	536	535	535	540	532	524	531	532	542	547	549	551	559	567	558	542	532	531	534	535	538	541	539	540	0	14	38 570	6	30 523	47
27				536	535	533	532	533	533	529	522	523	530	539	542	550	552	562	547	534	534	534	541	540	541	540	540	538	0	14	32 563	8	08 513	50
28				533	531	531	531	532	532	532	534	543	543	554	568	571	562	554	542	529	530	532	538	538	536	533	532	540	0	12	32 573	16	50 523	50
29				532	531	531	531	531	525	522	523	526	532	551	543	549	551	547	534	528	532	532	533	536	534	533	532	534	0	13	22 558	7	54 519	39
30	✓			532	531	530	530	532	532	532	541	552	559	564	564	562	565	561	544	531	524	528	533	533	534	534	533	541	0	11	06 570	17	30 522	48
31				532	532	531	531	533	534	530	522	524	531	550	562	561	554	557	552	539	531	532	533	532	533	533	529	537	0	11	35 568	7	40 521	47
MEANS ALL DAYS				532	531	530	531	532	532	530	533	536	541	548	553	556	558	556	546	537	534	534	536	536	536	536	535	539						49
MEANS TEN DAYS ✲				531	531	530	532	534	533	530	533	538	544	552	556	556	558	553	543	535	531	531	534	534	534	534	533	538						43
MEANS FIVE DAYS † G. M. T.				530	529	529	530	533	532	529	530	532	539	548	553	554	555	550	540	532	529	527 530	531 533	531	531	531	531	536						
MEANS FIVE DAYS ‡ G. M. T.				538	532	531	529	528	531	536	543	546	551	555	560	565	567	567	555	546	546	546	539	541	543	544	541	545						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 188

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1926

NOVEMBER 1926

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	523	524	524	531	533	528	523	530	534	541	549	558	560	558	556	534	528	529	539	543	540	532	531	527	536	0	11 55	563	0 55	522	41
2				529	525	526	532	530	522	513	519	524	532	537	535	532	532	533	532	521	522	526	533	533	531	532	530	528	0	11 00	542	6 30	511	31
3			✓	529	523	522	522	524	515	510	522	542	561	572	577	564	554	544	531	522	522	528	532	530	527	532	531	535	0	11 12	582	6 25	505	77
4	✓			527	522	525	528	530	522	517	524	539	550	561	562	567	570	564	552	535	528	529	532	532	532	531	527	538	0	13 22	572	6 54	512	60
5				524	523	524	530	530	521	505	502	509	510	514	524	532	543	551	544	534	530	525	532	532	532	531	531	526	0	14 32	552	6 45	501	51
6				530	528	525	529	532	529	514	516	522	532	544	554	552	543	534	529	525	529	529	532	532	531	531	531	531	1	11 50	558	6 30	512	46
7	✓	✓		530	529	528	528	530	522	514	515	522	534	547	566	573	575	572	554	534	522	522	529	531	529	529	525	536	0	13 25	577	6 45	512	65
8	✓	✓		524	523	522	524	527	522	516	523	538	552	563	571	572	560	552	539	528	522	523	532	531	529	530	531	536	0	12 25	577	6 15	513	64
9				529	525	524	528	530	524	512	503	501	502	510	529	542	544	545	544	537	529	523	529	528	529	529	530	526	0	14 45	549	8 30	498	51
10	✓			529	528	525	526	529	525	523	529	532	541	542	542	544	551	553	542	528	522	522	529	530	531	530	527	532	0	14 15	559	18 30	521	38
11				525	519	516	520	523	517	512	517	525	536	552	557	562	560	555	545	534	530	523	530	530	529	530	532	532	1	12 54	572	6 15	511	61
12				528	522	515	522	528	523	514	518	522	533	552	560	562	559	555	549	538	530	526	531	531	531	530	526	534	1	12 20	564	6 49	508	56
13	✓			525	525	525	522	522	521	515	524	534	545	552	558	552	546	542	532	522	521	522	529	530	526	527	524	531	0	11 43	559	6 15	514	45
14	✓	✓		522	521	521	522	522	516	511	513	522	532	534	545	555	555	553	547	533	529	529	530	531	531	528	522	530	0	12 35	561	6 15	507	54
15	✓	✓		521	520	521	522	522	523	531	543	550	554	552	549	551	552	543	532	528	524	524	531	530	529	529	526	534	0	9 18	557	0 55	519	38
16	✓	✓		523	522	522	522	522	518	512	514	522	536	548	550	542	532	528	522	520	523	526	531	530	528	529	527	527	0	11 30	552	6 30	509	43
17				524	522	522	522	522	515	512	514	521	531	(534)	543	541	536	528	521	518	521	525	531	532	532	530	528	526	0	11 43	545	6 05	511	34
18				522	522	522	522	521	512	514	526	535	544	552	561	554	551	546	539	532	528	532	535	534	535	534	530	533	0	11 40	563	5 43	508	55
19				528	523	522	522	522	514	509	511	518	528	534	544	541	538	(534)	534	525	522	529	532	533	531	529	527	527	1	11 55	552	6 20	506	46
20				524	522	522	523	525	518	512	520	533	541	544	542	542	541	541	537	532	529	528	532	531	531	530	528	530	0	13 40	544	6 00	511	33
21			✓	525	523	522	522	523	514	498	499	509	521	538	558	566	574	556	544	539	529	529	534	534	534	528	525	531	1	13 08	579	6 58	491	88
22				525	524	525	523	526	526	525	537	552	560	567	570	569	554	547	541	537	533	532	534	534	530	527	525	538	0	12 09	574	1 05	522	52
23				520	521	521	520	518	516	512	532	551	561	564	561	549	538	531	529	527	527	529	532	528	529	527	525	532	0	10 48	567	6 15	507	60
24				524	522	521	521	522	515	510	520	537	553	568	584	583	567	545	525	518	521	524	528	531	531	532	531	535	0	11 52	590	6 20	506	84
25	✓			527	525	523	523	522	514	505	512	532	543	553	560	559	558	552	542	536	530	527	532	534	532	529	528	533	0	12 14	562	6 52	503	59
26				525	522	520	521	520	512	507	514	532	539	547	560	561	552	544	535	523	519	524	531	532	530	528	526	530	0	11 59	565	6 27	505	60
27	✓			523	521	517	517	516	513	513	521	532	541	551	562	554	546	542	539	535	531	530	536	539	531	530	527	532	0	11 53	566	6 03	510	56
28			✓	525	523	521	520	520	515	512	525	551	571	578	572	560	542	529	534	532	531	541	553	552	547	541	539	539	1	11 01	584	6 17	507	77
29			✓	525	516	507	507	509	501	510	533	566	580	582	585	587	572	563	550	536	530	535	542	540	539	535	532	541	1	12 28	594	5 54	499	95
30				530	528	528	529	523	510	500	511	525	543	557	559	558	550	543	536	526	522	526	530	530	529	527	524	531	1	12 15	564	6 32	496	68
31																																		
MEANS ALL DAYS				525	523	522	523	524	518	513	520	531	542	550	557	556	552	546	538	529	526	528	533	533	531	530	528	532						56
MEANS TEN DAYS *				525	524	523	523	524	520	516	522	532	543	550	556	557	554	550	540	530	525	525	531	532	530	529	526	533						52
MEANS FIVE DAYS † (G. M. T.)				524	523	523	524	525	520	517	522	531	542	549	556	559	555	550	539	529	524	525 525	530 531	531	529	529	526	532						
MEANS FIVE DAYS ‡ (G. M. T.)				525	522	519	520	522	515	511	522	540	555	564	570	567	560	550	539	531	528	534	537	537	535	533	531	536						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
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TABLE 189

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1926 — DECEMBER 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				524	522	521	521	520	514	507	515	527	540	550	557	563	557	542	528	519	520	524	530	529	527	527	527	530	0	12 39	565	6 07	502	63
2				525	522	521	523	524	520	519	532	545	550	555	563	554	543	524	515	512	518	524	530	529	527	525	524	530	0	11 30	568	16 30	511	57
3				520	514	515	515	517	512	513	530	550	560	563	570	567	557	534	525	518	519	525	530	530	529	522	517	531	0	11 45	572	6 05	507	65
4				515	514	515	515	515	510	506	514	532	544	554	558	554	□							□	525	525	522		0	11 51	559	6 30	503	56
5	✓			523	524	524	525	525	517	508	522	547	559	561	562	555	538	524	513	509	513	518	523	524	523	523	524	528	0	11 52	564	6 15	501	63
6	✓	✓		524	524	523	523	522	515	511	521	539	545	544	540	534	529	520	514	515	516	522	529	532	533	533	531	527	0	9 54	547	6 10	509	38
7				525	522	521	522	523	515	511	524	546	560	570	572	560	540	524	522	520	522	524	530	531	529	529	527	532	0	11 20	577	6 09	508	69
8	✓	✓		525	524	522	522	525	520	518	540	560	560	557	555	553	545	538	533	530	526	525	527	527	525	523	522	533	0	8 48	563	6 08	512	51
9	✓	✓		520	520	519	518	522	519	511	521	539	549	552	560	551	533	521	519	522	525	527	528	525	525	524	524	528	0	11 20	562	6 18	508	54
10				522	520	519	519	520	514	510	514	527	524	537	551	551	536	522	521	516	517	520	523	529	533	530	531	525	1	12 01	561	6 09	506	55
11				527	525	524	525	527	520	510	526	542	552	557	560	552	542	528	515	509	517	527	532	532	531	528	525	531	1	11 03	566	6 15	505	61
12				523	521	519	516	511	505	503	515	531	546	572	584	575	562	542	530	521	517	526	531	533	532	529	526	532	0	11 03	589	6 00	501	88
13	✓			522	518	517	517	517	515	512	522	535	542	552	563	559	554	543	531	516	515	520	523	525	524	524	524	529	0	11 40	565	6 10	509	56
14	✓	✓		522	520	519	517	515	512	512	524	540	548	554	564	563	556	538	516	503	503	515	524	524	526	527	525	528	0	11 45	571	17 06	499	72
15				525	526	526	525	522	517	515	530	547	554	567	559	546	540	531	520	512	514	514	520	529	526	531	532	530	0	10 10	570	16 08	510	60
16			✓	531	533	531	531	531	525	522	538	541	553	563	564	559	547	542	535	525	518	523	530	535	536	536	535	537	0	10 46	571	17 20	515	56
17				531	526	523	522	521	514	513	529	549	560	570	573	571	(561)	544	532	526	516	521	525	529	525	523	521	534	1	10 17	577	6 14	510	67
18				519	516	515	515	512	503	497	513	531	(546)	562	567	550	554	545	528	526	524	524	526	530	529	526	523	528	0	11 00	574	6 21	494	80
19	✓	✓		519	514	515	517	517	511	511	528	543	550	561	572	577	571	550	538	533	524	521	525	526	522	522	520	533	0	12 45	579	6 12	505	74
20			✓	514	512	514	515	514	511	503	515	525	533	547	551	564	567	537	522	515	525	522	530	533	534	529	526	527	0	13 25	576	6 24	501	75
21				525	521	520	515	517	513	499	510	524	535	543	562	562	556	551	532	519	516	517	522	524	522	521	520	527	0	12 02	571	6 38	495	76
22	✓			520	519	519	520	518	510	499	503	516	530	544	558	570	570	552	534	517	512	513	521	528	526	527	526	527	0	13 02	574	6 33	497	77
23			✓	524	520	516	515	512	508	495	505	520	527	560	564	562	573	552	533	527	522	524	531	530	529	526	523	529	1	11 58	580	6 42	493	87
24				522	522	516	511	510	502	497	523	543	550	553	557	571	572	549	527	525	524	521	525	528	526	526	524	530	0	13 12	579	6 05	491	88
25	✓			522	516	521	521	519	518	511	523	543	547	547	557	554	543	522	505	502	511	520	525	524	524	525	524	526	0	11 55	561	16 03	501	60
26	✓			521	519	520	520	520	513	503	519	536	553	571	582	577	547	542	525	522	522	522	528	527	525	523	519	532	0	11 07	584	6 17	501	83
27				516	513	510	512	509	510	507	527	553	563	562	557	555	557	540	519	512	514	523	530	531	529	526	525	529	0	10 11	574	6 18	502	72
28			✓	521	517	520	520	520	514	510	523	538	545	555	570	574	574	560	544	534	533	531	530	529	527	524	520	535	1	13 10	582	6 30	505	77
29			✓	517	513	512	511	507	507	509	528	547	563	581	581	572	553	527	514	509	512	521	522	524	527	527	525	530	1	11 14	588	4 11	501	87
30				521	515	514	515	517	518	518	532	546	555	557	566	570	551	524	510	496	501	512	523	524	524	525	524	527	0	12 18	572	16 42	493	79
31				522	521	518	515	517	516	510	521	534	544	551	563	560	539	517	510	511	516	520	523	524	525	528	525	526	1	11 25	566	16 02	505	61
MEANS ALL DAYS [a]				522	520	519	519	518	514	509	522	539	548	557	564	561	552	536	524	517	518	522	527	528	527	526	525	530						68 [a]
MEANS TEN DAYS ✲				522	520	520	520	520	515	510	522	540	548	554	561	559	549	535	523	517	517	520	525	526	525	525	524	529						63
MEANS FIVE DAYS † (G. M. T.)				522	520	520	519	520	515	513	527	544	550	554	558	556	547	533	524	521	519	522 522	526 527	527	526	525	524	530						
MEANS FIVE DAYS ‡ (G. M. T.)				521	519	519	518	517	513	508	522	534	544	561	566	566	563	544	530	522	522	524	525	529	526	526	525	531						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

[a] Thirty days only, omitting incomplete day December 4

TABLE 190

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1926 — JANUARY 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				645	636	634	638	639	640	639	655	673	722	723	739	728	686	641	621	626	623	634	636	632	630	634	637	655	0	11 42	749	15 02	616	133
2				638	638	641	640	649	653	651	688	747	783	845	853	801	769	674	605	601	620	638	645	643	643	649	650	682	0	10 38	898	15 31	581	317
3				647	656	649	651	649	645	661	674	692	766	766	773	767	710	657	623	627	661	674	671	658	657	660	648	677	0	9 58	797	15 41	599	198
4	✓			643	639	642	648	644	641	648	667	712	775	815	820	792	728	677	643	648	653	657	654	653	650	649	645	681	0	11 00	828	0 22	629	199
5	✓	✓		646	653	654	655	649	649	661	671	725	774	824	816	790	743	701	662	655	647	646	640	641	643	645	644	685	0	10 37	836	20 02	637	199
6				645	645	645	645	641	645	656	688	733	751	795	788	786	754	728	670	659	652	645	647	649	648	650	651	684	0	10 31	818	5 04	638	180
7				652	650	654	653	652	650	663	686	733	765	834	781	775	707	675	653	638	631	636	641	636	633	639	637	678	0	10 31	852	17 03	625	227
8	✓			641	642	639	640	641	643	650	662	698	719	748	727	717	705	699	689	679	669	655	650	645	645	653	657	671	0	10 32	759	2 59	634	125
9	✓			651	652	649	646	645	651	656	674	698	709	750	766	766	750	732	719	695	672	662	655	653	649	649	652	683	0	11 58	785	4 37	643	142
10				653	653	651	652	651	656	669	677	697	716	726	716	709	701	698	721	705	677	655	642	656	653	655	657	677	0	10 18	738	19 28	636	102
11				660	651	653	656	657	682	687	696	719	739	754	744	727	711	703	692	687	679	674	667	653	655	655	663	686	0	10 58	771	1 57	649	122
12				675	669	667	672	667	674	699	734	765	795	801	789	744	709	694	700	710	707	659	629	616	612	626	625	693	0	11 28	822	21 33	607	215
13				617	618	618	624	626	633	648	664	721	749	752	743	757	700	668	612	[560]	570	601	617	621	624	620	601	648	1	10 30	788	[16 —	552	236]
14				603	618	620	624	627	639	646	687	717	785	692	679	688	656	652	651	658	638	639	642	623	655	642	637	655	1	9 40	863	0 11	597	266
15				636	633	637	633	633	641	653	697	749	814	827	793	736	676	656	648	637	639	655	637	635	624	618	616	672	0	9 52	846	21 38	608	238
16				618	617	624	624	631	635	647	665	710	753	817	802	763	695	642	615	620	634	628	632	637	634	633	632	663	0	10 53	842	15 49	600	242
17				630	629	633	631	634	660	687	715	765	801	828	808	767	(702)	673	(604)	624	649	657	653	650	650	649	642	681	0	11 00	845	[15 20	590	255]
18			✓	642	639	630	636	654	655	649	654	763	813	820	828	803	720	644	632	646	656	644	596	598	605	622	622	674	1	9 16	883	19 34	578	305
19				618	619	618	618	622	627	635	655	697	728	768	757	767	747	747	703	683	664	649	639	632	631	634	623	670	0	12 20	797	0 23	615	182
20	✓	✓		621	631	634	633	635	640	649	675	724	793	835	847	836	801	736	680	662	654	648	646	649	649	646	648	690	0	11 28	852	0 16	620	232
21	✓	✓		648	648	648	646	644	643	641	654	704	764	818	859	846	785	730	691	661	653	650	650	651	649	645	636	690	0	11 33	879	23 41	634	245
22			✓	640	646	646	644	643	648	656	665	712	750	823	848	903	762	759	668	△				△	574	574	567		2	12 35	1035			
23			✓	574	578	588	591	596	613	607	637	668	671	730	785	811	786	780	694	683	659	634	621	622	618	618	621	658	1	12 09	847	6 58	567	280
24				623	627	623	619	620	618	627	629	670	709	722	723	732	692	676	660	652	648	632	627	629	630	633	636	652	1	11 40	822	7 09	606	216
25	✓	✓		639	641	640	642	639	644	644	658	687	710	725	724	739	696	688	762	739	691	648	634	632	640	641	632	672	0	12 33	774	23 50	622	152
26			✓	631	625	617	617	621	619	639	675	721	726	799	△									△	389	467	477		2					
27			✓	501	504	512	524	527	545	561	583	637	(663	661)	617	606	604	611	597	582	591	575	572	580	582	587	583	579	0	[10 —	684]	0 05	484	[200]
28	✓			585	586	585	582	579	582	615	645	692	709	729	745	725	662	617	608	588	598	611	609	607	609	602	601	628	0	11 28	777	16 15	576	201
29				599	601	600	605	606	611	639	685	714	773	770	689	660	613	590	605	629	634	626	617	618	618	616	615	639	0	10 33	800	14 01	582	218
30	✓	✓		617	614	611	607	612	616	635	681	742	772	806	779	745	678	615	601	616	636	630	623	613	617	623	623	655	0	10 37	820	15 18	594	226
31	✓			619	624	623	623	625	623	650	688	749	800	767	729	655	596	592	605	634	646	642	633	631	630	627	627	652	0	9 39	818	15 09	576	242
MEANS ALL DAYS a)				627	628	628	630	631	636	647	670	714	752	774	766	750	706	676	654	648	647	642	635	633	634	635	633	667						a) 210
MEANS TEN DAYS ✻				631	633	632	632	631	633	645	668	713	752	782	781	761	714	679	666	658	652	645	639	638	638	638	636	671						196
MEANS FIVE DAYS † (G. M. T.)				634	637	637	637	636	638	646	668	716	763	802	805	791	741	694	679	667	656	642 644	637 639	636	636	636	633	678						
MEANS ONE DAY ‡ (G. M. T.) b)				642	639	630	636	654	655	649	654	763	813	820	828	803	720	644	632	646	656	644	653	650	650	649	642	682						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = ONE INTERNATIONAL DISTURBED DAY
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days January 22 and 26

b) Omitting incomplete Greenwich days January 22, 23, 26 and 27

TABLE 191

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1926

FEBRUARY 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				624	626	621	620	623	629	620	690	773	787	808	795	781	678	615	618	610	635	645	642	634	618	624	623	664	0	10 09	820	14 33	599	221
2				623	631	633	631	630	634	651	673	726	787	815	810	795	683	636	647	604	617	612	622	629	623	619	625	665	0	11 22	839	16 38	581	258
3				626	613	621	624	628	635	639	672	711	785	790	816	782	713	672	628	632	611	629	626	620	619	630	625	664	0	11 21	849	17 24	601	248
4				625	631	628	624	625	625	630	654	691	752	794	757	766	733	700	672	669	643	629	628	627	630	622	624	666	0	10 36	814	0 22	616	198
5	✓			627	627	626	627	629	632	638	654	695	753	780	792	766	737	706	678	653	649	646	643	640	639	639	637	671	0	11 17	817	2 58	624	193
6	✓	✓		636	637	640	641	643	642	631	625	663	721	770	785	771	770	762	738	708	673	652	646	643	642	643	642	680	0	12 03	792	7 25	622	170
7	✓	✓		642	641	636	635	638	640	638	634	643	676	700	721	732	732	730	723	698	671	652	645	644	648	647	645	667	0	12 57	741	7 40	630	111
8	✓	✓		643	641	643	649	648	654	660	669	693	718	734	738	755	755	758	740	712	683	659	650	649	652	650	651	684	0	12 57	771	2 00	639	132
9		✓		649	648	646	649	649	651	659	677	708	739	758	745	728	710	680	680	677	668	661	651	649	648	646	641	676	0	10 36	768	23 26	639	129
10				646	656	627	624	627	639	644	672	710	748	775	766	742	716	694	656	641	625	620	619	621	622	624	632	664	0	10 58	789	15 06	592	197
11			✓	633	634	640	639	635	636	664	685	716	763	764	706	655	586	539	571	596	613	605	599	580	569	593	594	634	0	10 51	782	15 18	520	262
12				608	624	619	617	620	625	641	676	725	761	773	784	711	688	637	647	660	658	649	637	634	633	630	620	662	0	11 08	818	0 01	599	219
13				615	615	617	625	629	632	657	708	745	774	762	727	723	703	662	(645)	606	628	642	631	622	615	616	625	659	0	9 57	811	6 40	590	221
14				622	619	622	624	628	630	640	682	756	790	781	[837]	788	719	670	660	624	619	617	624	626	623	635	626	669	0	[11 —	887]	18 12	612	[275]
15				631	626	620	616	620	642	646	669	770	815	813	803	777	735	678	653	626	613	622	629	623	620	623	625	671	0	10 06	870	7 05	603	267
16				625	620	619	623	624	629	634	663	718	768	788	774	727	674	622	622	638	(646)	645	637	637	633	632	631	660	0	10 39	794	14 45	610	184
17				627	626	628	631	636	641	658	697	755	820	[862	882	875]	688	669	649	673	710	695	598	618	636	617	591	687	0	[11 —	907]	19 33	543	[364]
18			✓	581	587	600	609	608	610	611	632	693	753	758	777	784	760	713	709	686	658	628	616	619	611	605	605	659	0	12 42	808	0 22	577	231
19	✓			604	619	619	625	626	622	619	634	680	734	787	782	792	761	713	678	662	650	643	634	632	632	634	637	667	0	12 05	819	0 15	601	218
20	✓			634	631	631	631	637	640	631	640	680	689	711	750	782	741	(731)	709	673	649	624	613	617	625	639	634	664	0	12 15	804	19 22	612	192
21	✓			638	639	639	639	642	642	640	646	676	708	721	763	719	620	635	661	668	650	639	635	635	627	619	627	655	0	11 29	784	13 14	596	188
22	✓			626	626	624	624	628	635	636	657	710	746	768	778	688	597	602	620	643	642	619	600	605	610	615	616	646	0	11 18	801	14 00	583	218
23			✓	621	620	627	634	631	633	640	670	718	760	769	766	[851]	694	523	615	553	593	557	555	555	548	550	561	635	2	[12 30	894]	14 32	421	[473]
24			✓	605	573	576	625	588	579	566	542	508	575	546	597	451	456	366	427	480	468	469	484	505	516	528	564	525	2	10 13	690	14 21	330	360
25			✓	568	573	573	566	569	587	587	627	687	743	760	741	701	631	594	609	633	635	613	630	590	587	596	584	624	0	10 58	765	3 39	562	203
26				574	580	584	589	594	595	615	660	707	715	741	735	718	712	697	682	657	645	625	617	614	613	609	609	645	0	10 59	779	2 26	565	214
27	✓	✓		610	609	610	609	609	615	621	656	694	771	794	801	776	732	660	645	624	634	633	626	622	622	621	618	659	0	11 51	810	2 15	606	204
28	✓			622	627	627	626	626	633	636	665	720	756	750	746	720	699	682	645	658	654	645	640	634	632	631	628	663	0	9 52	785	0 12	618	167
29																																		
30																																		
31																																		
MEANS ALL DAYS				621	621	621	624	625	629	634	658	703	747	763	767	745	694	655	651	642	637	628	621	619	618	619	619	657						226
MEANS TEN DAYS ✲				628	630	630	631	633	636	635	648	685	727	752	766	750	714	698	684	670	656	641	633	632	633	634	634	666						179
MEANS FIVE DAYS (G. M. T.) †				636	635	635	637	637	640	642	652	680	725	751	758	752	740	718	705	684	666	647 651	640 644	638	639	638	637	672						
MEANS FIVE DAYS (G. M. T.) ‡				602	597	603	615	606	609	614	631	664	719	719	717	688	625	547	586	590	593	574	571	581	586	587	593	617						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 192

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1926 — MARCH 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				626	623	624	633	632	634	638	662	709	752	801	736	732	702	677	639	647	634	623	620	630	634	632	631	661	0	9 58	826	19 33	611	215
2				639	644	628	628	632	621	626	634	687	761	749	763	743	729	708	686	662	623	611	610	619	627	626	628	662	0	9 49	821	19 30	607	214
3				634	633	634	636	637	630	624	639	690	756	800	853	817	745	668	629	620	623	635	633	620	618	630	627	668	0	11 40	868	16 43	608	260
4				627	629	626	628	632	631	620	626	684	741	779	796	823	762	710	683	654	639	639	641	644	642	641	640	672	0	12 31	834	6 45	612	222
5			✓	635	635	636	638	640	675	652	626	637	654	805	726	676	624	[548]	578	552	553	568	559	569	563	542	590	620	2	10 45	889	[14 —	496	393]
6			✓	580	599	581	604	601	595	592	594	620	665	704	727	718	730	702	677	653	624	591	586	603	605	606	606	632	0	10 49	757	0 50	571	186
7				608	611	613	615	616	617	605	596	625	687	742	813	799	747	685	654	613	607	616	622	619	621	620	618	649	0	10 44	842	7 43	584	258
8	✓	✓		618	618	620	624	626	628	627	639	679	722	766	780	778	763	744	718	691	677	667	652	645	648	649	645	676	0	12 30	786	1 13	617	169
9			✓	652	649	659	660	663	671	681	657	676	668	[847	859]	774	776	656	590	600	607	580	538	532	525	558	565	652	2	10 50	980	15 24	517	463
10			✓	555	568	575	604	610	609	617	639	684	735	741	756	721	698	670	658	640	624	623	615	597	614	606	603	640	0	11 28	777	0 12	548	229
11				607	604	607	617	613	616	624	658	676	690	718	750	661	697	661	661	643	632	612	600	602	612	616	614	641	1	11 36	802	2 20	593	209
12				607	611	614	610	617	619	617	638	690	739	775	750	731	710	664	672	663	654	627	623	624	621	620	619	655	0	10 40	812	0 19	605	207
13	✓			621	622	622	621	627	628	635	665	737	764	793	(798)	784	724	(713)	692	665	638	620	604	603	595	610	626	667	0	[10 59	804]	21 36	585	[219]
14	✓			617	621	623	627	628	628	628	654	697	732	747	744	724	686	684	681	668	652	645	638	633	632	636	628	661	0	10 37	756	0 15	616	140
15	✓	✓		630	630	633	640	640	639	644	679	739	788	830	809	781	744	694	672	669	659	650	632	625	628	625	623	679	0	10 51	842	23 38	620	222
16	✓			620	623	634	636	636	630	623	652	717	800	860	856	825	760	695	659	652	643	619	607	618	629	623	620	677	0	10 58	882	19 36	602	280
17				624	641	638	639	638	632	624	615	677	750	792	820	820	773	733	713	707	659	638	599	593	590	573	589	670	0	11 36	837	22 53	567	270
18			✓	617	613	608	605	608	610	586	585	618	668	687	691	712	682	661	643	615	588	587	593	586	595	597	607	623	0	12 30	742	8 02	562	180
19				614	619	621	621	624	628	616	624	664	714	780	766	780	752	692	699	651	637	616	605	609	590	597	612	655	0	13 00	834	22 45	586	248
20				594	607	605	610	613	617	624	642	695	696	693	755	735	700	689	644	614	629	592	586	568	588	602	600	637	0	11 50	787	20 42	561	226
21				604	608	631	630	639	635	622	643	697	736	764	770	741	724	699	674	646	616	633	595	602	607	612	613	656	0	10 17	812	19 27	588	224
22				623	632	638	643	639	635	631	637	671	716	752	747	736	747	705	680	662	655	653	635	642	638	625	632	666	0	10 24	788	19 59	612	176
23	✓			645	648	645	644	643	642	646	652	683	723	738	738	728	712	700	692	686	672	655	648	648	644	638	646	672	0	10 39	746	22 39	636	110
24				646	650	646	652	656	652	648	666	678	692	712	763	743	711	725	713	690	663	645	632	630	636	628	629	671	0	11 39	782	20 16	625	157
25	✓	✓		642	639	638	639	641	642	640	657	696	742	755	775	756	733	713	702	692	674	660	654	649	645	643	641	678	0	11 35	787	2 42	636	151
26	✓	✓		641	650	650	649	653	656	651	665	700	754	767	781	753	717	711	702	694	681	664	659	653	651	649	648	683	0	11 34	793	0 45	636	157
27	✓			646	649	649	648	656	656	656	671	716	760	802	825	783	761	722	694	685	675	663	655	653	649	641	641	690	0	11 42	877	22 42	638	239
28				644	648	646	650	650	651	655	694	737	779	791	808	791	704	693	665	659	659	652	647	642	645	671	640	684	0	11 51	859	23 36	634	225
29				645	645	658	646	643	646	652	670	715	738	774	779	773	678	678	673	663	654	637	627	640	642	642	643	673	0	11 36	828	19 19	619	209
30				645	645	650	648	644	650	657	684	746	824	811	804	760	717	682	661	664	655	652	646	641	644	652	648	685	0	9 56	862	20 14	639	223
31	✓	✓		643	643	655	648	648	648	650	678	717	763	801	805	786	734	696	673	670	665	658	652	650	648	646	646	684	0	10 53	813	1 15	639	174
MEANS ALL DAYS				624	628	629	632	634	635	633	646	689	733	770	779	758	724	690	670	655	641	630	620	619	620	621	623	663						221
MEANS TEN DAYS ✻				632	634	637	638	640	640	640	661	708	755	786	791	770	733	707	688	677	664	650	640	638	637	636	636	677						186
MEANS FIVE DAYS † (G. M. T.)				635	636	639	640	642	643	642	664	706	754	784	790	771	738	712	693	683	671	644 660	638 650	634	636	636	633	678						
MEANS FIVE DAYS ‡ (G. M. T.)				608	613	612	622	624	632	626	620	647	678	757	752	720	702	647	629	612	599	590	598	597	594	593	606	637						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 193

HORIZONTAL INTENSITY

APRIL 1926 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — APRIL 1926

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			650	651	654	652	650	651	646	665	728	769	828	830	789	725	682	664	660	666	661	656	654	654	653	652	687	0	10 57	845	6 10	643	202
2	✓	✓		652	651	652	652	659	653	657	687	738	814	855	846	816	777	723	689	668	667	664	657	649	645	653	644	699	0	10 15	888	23 59	638	250
3	✓			637	643	649	660	656	654	650	676	711	765	821	833	809	767	720	683	666	657	653	648	649	646	645	645	689	0	11 19	845	0 24	634	211
4	✓			642	647	647	651	653	651	645	656	713	775	822	816	797	773	731	689	680	671	664	659	656	653	654	652	692	0	10 43	840	7 04	638	202
5				655	652	657	660	662	662	666	675	730	779	833	842	821	777	733	709	700	687	670	655	646	639	635	626	699	0	11 26	850	23 33	613	237
6			✓	644	621	614	621	634	646	648	657	659	709	721	752	774	765	744	675	641	639	630	641	625	620	615	636	664	1	12 33	793	2 32	602	191
7			✓	629	630	634	636	635	648	646	690	717	732	764	784	755	718	669	662	657	662	648	637	649	631	624	623	670	1	11 28	799	23 12	615	184
8				656	647	633	633	634	646	650	661	711	726	765	748	751	715	708	672	649	641	632	633	629	629	634	642	669	1	10 43	795	21 26	627	168
9				639	634	634	647	651	644	654	692	725	760	759	731	717	699	688	670	655	634	633	627	621	623	632	647	667	0	10 31	784	20 39	619	165
10				637	639	641	643	646	643	652	684	727	761	806	796	767	739	714	680	666	655	651	647	646	643	643	641	682	0	10 46	848	0 51	634	214
11				638	639	638	643	641	649	661	688	733	772	776	750	728	738	702	678	654	643	637	631	612	615	630	633	672	0	10 03	787	20 46	610	177
12				628	636	634	645	646	647	667	698	744	773	786	787	759	744	711	689	664	648	641	636	620	617	616	622	677	0	10 13	801	22 34	612	189
13				633	640	638	637	642	645	655	675	707	763	810	829	823	765	707	674	(655)	651	653	647	647	643	640	636	684	0	11 59	853	0 01	622	231
14			✓	627	633	638	638	646	641	639	671	723	891	829	876	584	644	691	555	△									2	9 48	949			
15			✓								△	524	552	561	624	647	620	581	574	561	563	558	554	552	549	578	576		2	12 15	666			
16			✓	572	562	575	567	572	573	570	593	651	718	758	776	765	711	647	597	584	583	569	570	593	576	595	592	620	1	11 28	797	2 07	553	244
17				596	601	595	599	598	597	588	620	658	702	755	766	723	690	664	633	609	617	614	597	592	590	601	604	634	1	10 57	799	6 25	577	222
18				604	606	614	613	612	611	610	629	661	698	730	747	750	731	702	(653	630	626)	630	619	608	605	621	602	646	0	12 17	756	21 36	598	158
19	✓			601	611	618	620	620	624	635	664	694	746	769	765	758	726	690	676	660	631	622	620	617	622	623	624	660	0	10 44	779	0 30	597	182
20	✓	✓		625	622	625	628	629	632	634	647	685	745	781	794	785	750	719	691	676	652	643	641	636	631	619	623	671	0	12 11	800	22 28	616	184
21				629	632	631	629	633	633	661	666	725	754	794	795	785	751	714	680	650	609	602	597	610	610	621	622	668	0	12 13	811	19 14	590	221
22				616	621	622	641	638	626	619	631	701	694	671	677	700	694	668	656	642	627	598	574	589	603	612	623	639	1	8 47	764	19 52	561	203
23				616	616	620	629	631	634	622	643	681	718	742	747	740	710	680	664	653	637	628	630	623	624	628	632	656	0	10 33	761	6 18	604	157
24				626	628	631	633	636	637	634	641	690	709	739	743	731	682	676	673	650	639	626	630	625	622	625	629	657	1	10 34	775	19 06	606	169
25				625	621	632	639	646	636	642	650	672	698	719	731	717	692	669	659	653	646	632	630	631	641	635	629	656	0	11 15	743	1 29	617	126
26				628	632	640	636	650	647	640	657	695	702	754	794	775	757	710	669	632	606	615	625	626	625	631	642	666	0	11 58	814	17 39	596	218
27	✓			632	635	639	641	639	637	628	638	651	684	712	729	739	706	693	669	661	645	642	645	643	640	637	639	659	0	12 31	762	6 21	625	137
28	✓	✓		643	644	644	645	647	646	645	664	684	718	747	767	766	741	704	678	663	654	648	646	644	641	640	642	673	0	12 15	779	22 50	637	142
29	✓	✓		643	643	645	644	644	644	649	656	678	707	736	750	751	731	702	677	669	662	656	649	646	643	641	641	671	0	12 46	755	23 42	640	115
30	✓	✓		642	645	649	652	650	651	656	662	675	717	741	758	754	749	727	698	675	662	655	651	652	653	650	649	678	0	11 41	765	0 06	640	125
31																																		
MEANS ALL DAYS [a]				630	630	632	636	638	638	640	659	698	736	768	774	762	733	700	672	654	643	636	632	630	628	630	632	668						187 [a]
MEANS TEN DAYS ✲				637	639	642	644	645	644	644	662	696	744	781	789	776	744	709	681	668	657	651	647	645	643	642	641	678						175
MEANS FIVE DAYS † (G. M. T.)				641	641	643	644	646	645	648	663	692	740	772	783	774	750	715	687	670	659	646 653	643 649	641	640	639	640	678						
MEANS THREE DAYS ‡ (G. M. T.) [b]				615	604	608	615	614	622	621	647	676	720	748	771	765	731	687	645	627	628	616	617	608	603	609	613	650						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = THREE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

[a] Twenty-eight days only, omitting incomplete days April 14 and 15 [b] Omitting incomplete Greenwich days April 14 and 15

TABLE 194

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1926 — MAY 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		645	650	651	647	652	653	645	637	652	678	714	743	760	749	719	701	678	664	656	651	650	649	649	649	673	0	12 22	767	7 50	630	137
2	✓	✓		651	652	654	657	660	660	654	662	694	727	757	785	796	783	741	707	682	667	662	660	659	651	652	658	689	0	12 30	797	21 53	646	151
3				657	659	663	665	667	667	656	650	672	708	765	799	806	785	731	690	694	687	671	632	568	602	577	583	677	1	12 12	825	20 43	536	289
4			✓	607	632	630	629	632	639	647	665	692	709	690	757	725	646	671	642	610	599	587	579	603	583	607	587	640	1	11 38	797	21 25	560	237
5			✓	593	617	606	611	622	620	604	593	613	684	683	723	743	721	686	663	628	613	613	611	602	601	622	616	637	1	11 56	788	0 23	578	210
6			✓	605	611	625	623	624	626	625	629	655	687	723	749	743	730	704	683	640	601	605	621	599	597	599	608	646	1	11 12	778	20 30	589	189
7				619	616	632	623	632	633	632	640	677	714	725	733	728	730	707	670	636	628	626	624	615	610	615	619	654	0	11 50	756	1 22	606	150
8				621	627	632	631	641	649	651	678	701	731	769	771	730	709	682	662	654	639	625	619	619	606	602	602	661	0	11 28	782	22 30	592	190
9				605	615	620	633	630	633	646	666	715	760	782	798	776	726	688	642	620	632	631	619	608	590	565	561	657	0	10 55	807	23 07	533	274
10			✓	588	588	574	575	587	591	616	652	649	703	685	695	685	678	679	644	628	602	597	618	624	607	605	620	629	1	12 00	744	0 08	545	199
11			✓	618	617	618	622	621	626	632	654	669	726	736	770	740	705	692	659	634	622	624	602	601	616	606	628	652	1	11 18	789	20 20	580	209
12				619	613	627	630	627	625	646	665	685	729	776	750	738	707	655	644	637	629	625	623	639	603	596	606	654	1	10 38	794	22 10	600	194
13				617	628	635	619	627	622	628	652	677	735	804	786	799	773	706	657	630	627	625	630	635	620	624	625	666	0	13 00	819	5 52	613	206
14				632	632	636	638	635	634	644	653	672	714	745	769	771	741	691	656	643	641	635	632	632	632	629	629	664	0	12 00	784	23 45	624	160
15	✓	✓		629	635	638	644	643	640	637	655	680	751	802	828	815	760	703	657	629	640	635	632	638	629	632	636	674	0	11 59	834	16 22	627	207
16	✓			637	637	641	642	643	643	639	648	675	724	771	803	790	757	714	668	656	635	611	613	618	618	618	619	668	0	11 52	814	18 33	605	209
17				628	630	633	640	643	643	658	670	696	728	764	786	786	759	719	685	654	651	648	611	581	601	617	624	669	0	12 00	797	20 38	574	223
18				627	633	635	640	640	641	647	656	685	727	744	768	752	733	710	687	669	657	647	645	644	643	643	641	671	0	11 27	779	0 07	626	153
19				642	644	655	648	652	656	664	679	713	753	781	790	769	742	708	678	665	649	636	628	618	629	630	635	678	0	10 48	805	20 35	615	190
20				629	596	609	623	624	625	636	657	705	704	741	745	740	717	692	672	645	622	638	634	629	627	636	628	657	0	10 32	777	1 24	591	186
21				630	639	639	635	636	638	632	645	658	700	746	764	726	731	702	676	637	635	628	641	636	636	636	634	662	0	11 20	797	0 15	624	173
22				636	637	640	641	644	644	631	635	659	691	730	767	755	723	695	672	657	648	644	636	639	642	641	636	664	0	11 56	788	7 22	620	168
23				646	643	639	649	646	646	653	654	658	693	712	743	755	738	713	685	664	645	644	641	645	644	641	646	668	0	12 55	762	0 04	633	129
24	✓			645	648	650	651	653	654	663	666	673	698	733	765	771	746	697	667	654	644	642	643	643	648	649	645	673	0	12 06	787	18 22	639	148
25				647	651	644	644	644	648	652	654	653	686	718	736	728	696	674	662	655	646	641	636	635	631	633	637	660	0	11 52	749	22 55	630	119
26	✓	✓		643	645	647	651	653	656	656	658	673	695	733	767	782	770	734	699	673	659	657	656	655	655	655	655	680	0	12 22	786	0 01	642	144
27	✓			658	657	658	662	662	662	664	666	683	702	721	730	735	727	701	679	663	656	654	653	653	653	653	654	675	0	11 54	742	21 05	651	91
28	✓			654	656	658	658	658	654	650	663	683	714	749	756	755	743	720	690	667	657	654	650	649	650	650	649	679	0	10 38	760	6 30	646	114
29	✓			650	648	649	651	652	656	666	690	704	740	750	764	745	726	705	696	682	668	664	661	659	657	653	651	683	0	11 32	768	1 00	647	121
30	✓			654	651	650	656	657	655	657	655	667	698	733	747	745	734	718	700	682	665	659	657	656	652	645	652	677	0	11 32	758	22 27	645	113
31		✓		645	643	645	649	651	654	651	663	688	724	749	759	753	736	718	696	694	667	661	657	657	658	656	658	680	0	11 25	762	1 15	640	122
MEANS ALL DAYS				632	634	637	638	641	642	645	655	677	714	743	763	756	733	702	674	654	642	637	633	629	627	627	629	665						174
MEANS TEN DAYS ✲				647	648	650	652	653	653	653	660	678	713	746	769	769	750	715	686	667	656	649	648	648	646	646	647	677						144
MEANS FIVE DAYS † (G. M. T.)				643	645	647	650	652	653	649	655	677	715	751	776	781	760	723	692	671	659	649 654	645 651	645	643	641	643	678						
MEANS FIVE DAYS ‡ (G. M. T.)				602	613	611	612	617	620	625	639	656	702	703	739	727	696	686	658	628	607	605	612	601	597	595	593	639						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 195

HORIZONTAL INTENSITY

JUNE 1926

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	655	658	669	671	673	682	739	759	740	848	707	701	742	730	648	621	576	520	518	[495	480]	568	525	524	644	2	9 33	904	[20 —	474	430]
2			✓	564	584	591	607	597	600	601	596	593	632	615	627	668	664	643	624	605	603	599	607	611	604	600	597	610	1	12 35	677	0 01	551	126
3	✓			601	612	617	620	621	627	643	663	685	703	713	716	704	684	668	657	647	625	619	616	616	616	620	620	646	0	11 12	721	0 05	597	124
4	✓	✓		621	623	626	625	628	634	654	672	693	716	733	740	743	726	699	672	653	637	628	621	614	618	621	617	659	0	12 25	728	20 20	612	116
5	✓			618	622	623	629	632	633	634	636	658	683	715	709	706	711	695	675	656	647	642	641	640	634	631	634	654	0	10 40	721	0 01	616	105
6				636	643	645	644	649	655	671	689	697	715	727	730	725	703	700	685	664	654	646	631	627	622	623	629	667	0	11 12	740	21 10	614	126
7				634	634	632	633	633	647	672	689	712	733	736	711	695	683	660	651	647	645	636	620	629	616	611	618	657	0	10 33	754	20 56	598	156
8			✓	597	609	624	625	627	630	639	649	679	698	714	720	718	714	705	665	646	623	598	605	594	588	588	624	645	1	11 22	755	22 45	580	175
9			✓	617	611	622	631	632	634	648	670	700	716	736	729	737	727	701	662	638	639	625	620	615	632	624	622	658	0	10 22	748	1 12	607	141
10				630	650	644	639	635	633	(642)	656	662	672	695	724	714	692	666	664	657	643	638	629	623	625	631	641	654	1	11 35	735	19 57	622	113
11	✓			638	636	639	643	647	650	662	683	704	732	746	750	748	727	692	672	(654)	647	645	642	647	(644)	643	643	672	0	12 08	756	1 12	635	121
12	✓	✓		645	646	649	649	(654)	662	668	682	697	708	710	720	708	700	676	666	659	655	652	649	646	645	644	646	668	0	11 22	730	1 10	644	86
13	✓			649	658	659	660	658	660	668	681	695	729	749	756	734	725	694	671	649	635	632	629	628	635	636	640	672	0	10 03	767	20 13	622	145
14				644	649	653	653	653	661	656	660	675	674	695	719	723	725	717	686	668	657	658	657	655	657	659	664	672	0	12 22	733	0 01	641	92
15				650	662	670	666	670	659	653	653	666	685	717	715	723	719	710	(690	664)	657	652	647	646	645	653	638	671	0	11 00	736	23 20	634	102
16				644	645	646	650	653	655	655	655	660	688	713	729	721	721	707	687	670	658	651	649	647	646	649	646	669	0	12 10	747	7 22	640	107
17				649	653	650	650	658	659	670	680	699	721	729	742	725	709	693	(674)	670	663	658	656	651	654	655	643	675	0	11 25	751	23 59	634	117
18				641	656	652	651	647	651	665	682	702	708	735	764	760	733	702	687	664	650	647	647	649	649	644	643	676	0	11 42	781	0 01	633	148
19				646	646	650	656	656	655	648	648	661	684	714	712	720	721	707	686	664	661	657	654	655	653	653	651	669	0	12 36	730	7 50	642	88
20	✓	✓		651	652	652	652	655	656	671	689	711	744	768	766	734	692	670	665	666	660	656	650	649	650	652	656	678	0	10 45	779	19 45	648	131
21	✓			655	656	656	658	662	663	675	696	724	751	783	787	778	758	732	708	686	668	662	659	659	657	656	658	694	0	10 20	795	22 12	653	142
22				663	662	661	660	661	658	668	677	690	703	707	709	705	707	699	684	673	661	658	658	661	663	662	662	676	1	11 12	720	19 03	654	66
23			✓	658	658	658	661	663	667	685	717	764	766	798	793	757	700	664	648	649	632	639	640	647	648	650	654	685	1	10 12	845	17 20	630	215
24				651	650	674	666	660	658	677	711	730	739	744	746	744	735	717	695	673	654	649	647	646	645	647	648	684	0	11 05	757	0 26	638	119
25	✓	✓		652	653	656	655	656	658	667	679	692	721	752	764	758	748	723	697	675	662	659	656	654	653	651	652	683	0	11 55	768	0 01	650	118
26	✓	✓		653	657	658	660	662	662	669	685	694	707	723	727	738	744	736	721	696	672	663	660	658	654	654	654	684	0	13 30	749	0 10	653	96
27				654	656	659	671	673	679	687	690	709	723	741	749	743	733	722	712	691	682	678	674	667	660	661	656	690	0	11 33	756	0 35	653	103
28				655	657	661	664	668	671	697	709	709	737	752	781	781	767	750	714	672	648	649	651	650	646	650	653	691	0	11 45	790	21 18	638	152
29				658	663	669	667	659	653	658	665	689	716	731	752	759	729	706	682	660	651	647	646	643	642	643	645	676	0	12 04	774	22 56	640	134
30				654	655	653	655	657	658	669	686	707	728	739	744	740	724	710	688	669	655	656	653	651	648	649	655	679	0	12 24	748	21 35	644	104
31																																		
MEANS ALL DAYS				639	644	647	649	650	652	664	677	693	717	728	734	732	718	697	677	659	645	641	637	635	637	636	638	669						133
MEANS TEN DAYS ✲				638	642	644	645	648	650	661	677	695	719	739	744	735	722	698	680	664	651	646	642	641	641	641	642	671						118
MEANS FIVE DAYS † (G. M. T.)				644	646	648	648	651	654	666	681	697	719	737	743	736	722	701	684	670	657	646 652	643 647	644	642	643	643	674						
MEANS FIVE DAYS ‡ (G. M. T.)				618	624	633	639	636	643	662	678	695	736	714	714	724	707	672	644	623	603	596	607	604	619	608	617	651						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 196

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1926 — JULY 1926

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			653	656	657	657	657	661	671	681	693	716	732	760	766	753	728	702	679	667	658	649	643	649	645	646	682	0	12 14	774	23 00	638	136
2				664	655	653	651	651	653	670	685	695	720	722	708	706	697	686	682	678	670	665	662	665	662	660	646	675	0	10 06	730	23 42	635	95
3				649	651	653	654	654	657	670	686	710	730	747	736	731	722	693	662	647	646	642	627	633	633	643	645	672	0	10 52	755	19 38	622	133
4				645	647	648	650	651	649	652	650	665	689	679	673	661	672	679	684	664	654	649	644	646	649	647	649	658	0	9 57	701	7 08	641	60
5			✓	649	647	647	647	651	655	678	697	689	690	718	743	692	694	700	671	671	637	644	642	640	629	623	631	666	1	10 55	785	22 09	616	169
6				639	649	651	655	654	657	673	686	692	712	712	733	740	733	697	681	657	649	646	646	647	647	645	644	673	0	12 52	750	0 01	629	121
7			✓	651	655	650	653	654	660	675	683	695	719	751	723	720	710	705	681	658	641	638	640	642	642	649	657	673	1	10 22	769	18 05	635	134
8				646	642	653	651	653	657	668	688	726	740	748	744	741	725	708	693	667	647	644	644	644	643	654	649	678	0	10 45	756	0 42	638	118
9	✓			651	651	653	656	660	664	677	690	699	718	735	749	727	713	706	689	673	658	656	(647)	651	652	650	650	678	0	11 15	754	[19 45	645	109]
10	✓			654	653	652	653	657	661	675	695	703	720	725	724	716	701	699	689	666	648	647	648	650	647	642	646	674	0	10 56	735	20 20	641	94
11	✓	✓		651	653	655	653	657	659	682	707	719	720	713	701	699	697	694	685	672	659	653	651	651	652	653	649	674	0	9 15	724	23 20	644	80
12				655	657	654	654	661	663	677	707	739	775	785	795	788	760	733	692	661	638	634	647	651	649	752	655	695	0	11 52	800	18 21	631	169
13				658	658	661	662	666	672	682	692	693	704	736	751	758	759	730	697	662	647	650	651	645	643	644	647	682	0	13 32	775	21 48	640	135
14	✓	✓		651	650	652	652	657	666	675	689	704	706	724	728	727	698	680	670	657	654	655	654	650	653	657	656	674	0	11 00	738	0 48	648	90
15				659	655	658	654	659	670	677	690	708	715	721	727	730	716	701	693	680	666	653	655	656	658	658	658	680	0	10 57	734	18 45	650	84
16				656	656	660	660	660	666	675	684	691	710	728	741	739	737	721	708	678	662	663	660	657	654	657	656	682	0	11 15	748	21 15	651	97
17				661	661	653	650	654	660	666	684	698	718	745	753	755	745	717	696	677	664	655	651	655	647	636	631	680	0	10 26	763	24 00	627	136
18				626	630	646	654	649	651	662	686	689	707	732	741	721	700	679	664	657	645	645	645	646	642	648	645	667	0	11 03	751	0 31	623	128
19				639	645	647	653	655	653	670	672	682	680	684	694	694	690	691	(683)	669	660	653	651	648	645	645	652	665	1	12 10	706	0 20	638	68
20				651	651	653	655	657	660	680	699	714	710	(720	726)	716	718	710	700	674	656	653	653	653	655	656	657	678	0	[11 —	728]	0 22	649	[79]
21	✓	✓		652	648	649	655	660	664	674	686	694	712	731	738	743	739	722	698	670	657	654	656	656	657	657	656	680	0	12 06	748	1 42	647	101
22	✓	✓		660	662	660	656	658	663	678	684	688	706	726	757	770	767	744	714	685	670	663	660	661	658	656	657	688	0	12 54	776	21 57	653	123
23	✓	✓		657	658	660	662	663	666	687	710	733	746	773	785	782	771	754	720	690	672	666	666	666	666	667	664	699	0	11 59	798	0 52	656	142
24				663	662	663	665	678	681	691	710	734	761	772	805	815	768	714	702	684	672	667	664	662	657	653	659	700	0	12 40	825	22 25	652	173
25	✓			660	661	662	665	668	672	681	684	682	696	714	731	737	723	702	680	668	664	664	664	661	662	668	665	681	0	11 33	748	21 12	657	91
26	✓			662	660	662	665	670	672	681	690	702	723	743	765	759	747	720	693	682	668	660	649	649	647	643	651	686	0	11 33	772	22 20	641	131
27			✓	650	654	653	656	657	661	661	672	718	739	781	817	822	763	706	656	631	638	631	620	614	582	569	563	671	1	11 58	845	23 57	558	287
28			✓	599	587	606	619	611	611	608	627	656	687	717	733	739	726	689	653	634	626	618	614	611	609	613	618	642	1	13 09	750	0 01	559	191
29				620	627	627	625	629	631	624	638	672	697	710	719	714	697	683	667	656	644	631	623	623	621	628	632	652	0	11 38	729	20 03	615	114
30				633	635	638	639	645	648	647	638	639	660	683	717	745	770	756	723	687	663	657	658	650	643	642	645	669	1	13 50	786	8 25	623	163
31			✓	650	647	650	654	658	662	667	666	675	687	698	710	709	671	646	585	598	573	558	525	536	564	578	612	632	1	11 52	723	19 47	510	213
MEANS ALL DAYS				649	649	651	653	655	659	669	682	697	713	729	740	737	725	706	684	666	652	647	644	644	643	646	645	674						128
MEANS TEN DAYS *				655	655	656	657	661	665	678	692	702	716	732	744	743	731	715	694	674	662	658	654	654	654	654	654	682						110
MEANS FIVE DAYS † (G. M. T.)				654	654	655	656	659	664	679	695	708	718	733	742	744	734	719	697	675	662	653 658	654 657	653	652	651	653	682						
MEANS FIVE DAYS ‡ (G. M. T.)				640	638	641	646	646	650	658	669	687	704	733	745	736	713	689	649	638	623	618	643	641	635	629	630	663						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 197

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1926 — AUGUST 1926

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	595	604	608	615	620	618	620	635	643	676	695	727	732	717	687	652	643	624	604	603	608	618	635	626	642	1	11 33	743	0 01	587	156
2				624	628	627	636	637	641	658	679	699	723	741	739	735	719	681	663	652	644	628	628	631	632	633	630	663	0	10 28	750	0 06	622	128
3				626	633	636	638	640	644	648	663	687	714	748	759	730	724	672	646	641	637	630	631	630	633	637	638	662	1	11 48	787	0 25	616	171
4				638	641	640	641	645	646	648	666	694	721	753	749	741	731	705	678	655	643	640	635	631	640	647	651	670	0	11 50	760	20 38	624	136
5	✓			645	642	638	645	650	652	667	684	714	732	755	755	746	717	685	665	653	651	649	645	644	645	644	642	674	0	11 22	760	2 20	637	123
6	✓			642	642	645	648	648	651	664	681	698	714	738	752	751	726	686	667	659	650	649	651	644	639	635	637	672	0	12 03	760	22 25	632	128
7	✓	✓		639	640	643	648	651	653	672	690	718	756	792	814	789	749	692	663	655	654	655	652	651	652	652	651	685	0	11 35	819	0 22	637	182
8		✓		651	655	657	656	656	662	682	702	725	756	778	793	778	734	694	667	655	658	658	654	654	654	660	658	687	0	11 50	806	0 15	651	155
9			✓	661	664	652	644	669	666	664	680	692	704	730	734	700	695	686	672	663	650	635	606	590	595	615	623	662	1	11 10	754	20 43	585	169
10				635	635	635	634	640	645	659	681	▽										▽	640	642	637	638	638							
11	✓			642	644	647	648	651	655	669	683	704	735	759	777	762	733	689	653	642	652	656	649	647	645	647	647	676	0	11 15	784	16 30	638	146
12				642	645	638	638	638	639	659	674	700	720	785	824	790	739	693	667	660	659	657	641	606	628	627	634	675	1	11 55	836	20 16	595	241
13			✓	640	650	627	627	649	636	632	655	696	732	744	757	722	686	651	630	631	637	634	631	640	638	636	635	659	1	11 27	778	2 08	615	163
14				637	646	643	642	643	647	654	674	696	737	761	774	770	741	697	655	643	639	639	638	634	628	620	636	671	0	11 50	802	23 05	618	184
15				644	635	637	641	645	649	658	671	709	748	765	777	741	720	690	664	653	651	648	642	646	645	648	650	674	1	11 20	795	1 35	633	162
16				653	(645)	644	648	654	654	662	669	687	715	738	758	738	716	690	678	652	639	626	621	625	627	633	644	667	1	11 12	774	20 07	614	160
17			✓	635	635	635	634	644	647	659	678	706	690	710	712	690	693	692	683	658	630	625	635	630	633	636	644	660	1	10 02	726	19 12	620	106
18			✓	634	634	636	653	652	653	669	689	711	685	664	691	709	704	703	687	667	647	642	643	641	639	640	642	664	1	8 20	732	1 06	628	104
19				640	636	641	645	647	651	675	699	721	732	740	748	724	681	666	658	653	649	642	639	639	642	642	643	669	1	11 20	753	1 29	634	119
20				642	642	648	647	653	655	663	682	712	756	770	784	768	731	688	674	666	657	644	631	623	635	642	645	677	0	11 45	790	20 27	620	170
21	✓	✓		647	650	650	653	653	654	673	691	715	733	753	761	736	716	692	673	665	659	654	649	645	644	648	649	678	0	11 32	764	21 30	643	121
22	✓	✓		648	650	654	655	658	661	684	718	753	796	823	814	792	752	726	696	678	673	664	661	661	658	655	655	699	0	10 53	837	0 30	647	190
23	✓	✓		656	657	657	661	663	668	676	687	711	751	770	774	761	733	716	703	691	676	665	664	665	665	659	659	691	0	11 18	776	0 01	655	121
24				656	656	657	656	662	662	674	692	732	755	779	781	766	745	710	684	683	661	657	652	652	648	639	636	687	0	11 32	793	23 42	634	159
25				637	656	650	647	646	650	656	678	713	749	770	774	752	730	689	661	658	659	655	651	649	648	638	624	677	0	11 07	786	23 24	619	167
26				631	638	647	650	651	653	670	683	707	723	741	760	758	736	709	687	666	657	651	649	645	644	644	647	677	0	11 14	767	0 18	624	143
27	✓			649	648	654	656	659	661	666	671	697	732	755	766	777	752	712	689	670	662	659	660	660	661	660	658	685	0	12 25	786	0 52	645	141
28	✓			660	660	658	663	665	669	679	694	724	748	756	776	777	767	746	711	678	659	657	659	659	661	662	661	694	0	11 56	784	3 10	654	130
29	✓			665	666	665	665	668	673	677	685	708	738	775	808	826	801	768	724	684	674	670	668	665	659	655	658	702	0	12 25	833	23 42	651	182
30				659	658	656	656	658	663	671	688	717	747	766	785	777	766	744	716	690	668	660	656	654	643	634	647	691	0	11 42	801	22 18	632	169
31				650	654	657	659	663	663	669	686	716	747	770	776	764	745	713	695	676	665	654	649	648	646	650	653	686	0	11 42	784	21 48	644	140
MEANS ALL DAYS a)				643	645	645	647	651	653	664	681	707	732	754	767	753	730	699	675	661	653	647	643	641	642	642	644	676						a) 152
MEANS TEN DAYS ✱				649	650	651	654	657	660	673	688	714	744	768	780	772	745	711	684	668	661	658	656	654	653	652	652	685						146
MEANS FIVE DAYS † (G. M. T.)				648	650	652	655	656	660	677	698	724	758	783	791	771	737	704	680	669	664	653 659	649 656	645	646	646	647	686						
MEANS FIVE DAYS ‡ (G. M. T.)				633	637	632	635	647	644	649	667	690	697	709	724	711	699	684	665	652	638	628	615	610	621	627	638	656						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day August 10

TABLE 198

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1926 — SEPTEMBER 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		655	656	659	661	663	665	675	695	718	743	754	762	754	731	706	690	682	675	669	663	659	659	660	659	688	0	12 09	764	1 51	654	110
2	✓			659	659	659	662	663	667	676	695	720	746	757	755	749	732	719	699	686	667	652	652	655	656	659	658	688	0	10 53	768	18 39	643	125
3	✓			660	660	662	663	665	667	682	699	725	745	754	761	752	744	717	699	688	675	666	661	661	661	660	659	691	0	11 15	769	23 59	657	112
4	✓	✓		658	658	659	660	663	664	673	689	707	729	748	756	750	733	723	712	693	675	663	657	657	658	658	661	688	0	11 05	761	19 10	655	106
5	✓	✓		662	662	662	661	662	665	686	715	746	777	805	815	809	789	751	719	695	677	669	667	667	668	669	670	707	0	11 58	817	3 48	661	156
6	✓			671	673	674	675	676	675	689	718	745	777	797	813	799	770	728	688	653	618	627	634	635	640	642	642	694	0	12 10	820	17 18	613	207
7				638	648	641	640	660	657	665	690	732	764	788	780	754	725	708	674	649	630	627	627	629	636	613	613	674	0	10 38	800	23 00	608	192
8				615	618	615	619	628	626	645	658	671	731	698	685	686	665	669	673	644	598	580	588	596	602	575	570	636	1	9 22	763	22 52	553	210
9			✓	574	611	631	613	517	623	642	663	708	728	778	769	760	732	697	676	636	616	612	628	629	632	647	623	660	1	10 45	819	0 25	565	254
10				623	633	629	629	631	631	631	659	690	740	777	780	762	745	721	690	657	641	638	631	625	620	616	627	668	1	11 51	795	21 38	613	182
11				633	636	645	644	640	642	645	669	699	735	765	750	732	711	695	667	657	644	635	634	632	629	629	630	667	0	10 35	776	21 04	625	151
12				636	648	650	644	642	645	653	667	697	731	754	765	768	747	723	693	651	633	644	632	632	633	633	637	673	0	12 06	776	17 15	629	147
13	✓			643	636	638	641	645	649	658	666	697	739	756	766	761	750	733	709	674	649	645	645	641	641	637	643	678	0	11 57	773	1 20	634	139
14			✓	642	641	641	647	663	664	665	680	665	697	718	762	741	681	632	608	598	569	565	573	574	587	605	606	643	1	11 18	795	18 25	559	236
15			✓	615	613	619	626	632	628	639	659	683	725	778	731	701	613	557	509	[485]	521	529	533	541	560	553	592	610	1	10 52	808	[16 —	479	329]
16				587	588	591	594	596	603	607	610	647	665	691	714	680	664	658	[649)	617	599	581	573	590	595	588	597	620	1	11 12	727	20 07	568	159
17				611	609	611	613	614	615	625	650	692	735	769	782	775	754	722	697	675	662	642	636	630	628	640	635	668	1	11 55	788	0 57	606	182
18				623	623	619	623	628	626	630	658	710	759	803	792	766	678	664	666	648	620	602	595	597	611	606	621	657	1	11 00	845	19 38	592	253
19				628	617	620	630	635	635	638	665	707	737	788	819	794	717	594	607	604	614	612	603	591	585	616	606	653	1	11 36	870	14 45	571	299
20			✓	613	634	630	632	634	628	650	676	735	732	816	765	695	652	562	587	620	557	531	559	545	570	576	588	633	1	10 25	849	19 05	519	330
21			✓	597	590	569	556	567	579	561	607	629	687	686	674	600	614	596	574	579	575	590	590	586	583	582	597	599	1	11 00	773	3 47	535	238
22				601	592	595	595	604	609	622	660	733	799	819	804	752	676	647	641	640	609	595	584	579	577	580	595	646	1	10 24	824	20 38	573	251
23				602	606	609	612	613	612	625	660	719	778	791	788	756	711	650	617	612	619	619	619	618	617	623	624	654	0	10 45	800	0 15	600	200
24				620	622	623	625	626	628	632	660	727	760	806	792	770	737	711	674	639	626	615	622	629	625	624	625	667	0	10 43	829	18 30	613	216
25				629	628	631	629	632	626	616	642	702	744	770	789	770	728	693	671	652	638	632	627	629	623	624	626	665	0	11 34	798	6 18	612	186
26				623	622	629	631	633	632	624	640	681	736	770	798	802	786	747	697	661	642	641	△						0	11 36	804			
27																					△	[641]	639	636	633	630	632							
28	✓	✓		637	636	636	640	644	641	627	634	665	719	760	772	769	767	739	705	674	657	650	645	641	640	639	638	674	0	11 30	777	6 48	623	154
29	✓	✓		640	641	643	643	643	642	624	618	647	695	735	750	751	732	716	700	677	661	653	650	647	645	645	643	668	0	12 22	760	7 22	613	147
30	✓			645	645	645	648	650	650	652	668	707	746	773	[784	786)	769	744	713	684	661	656	650	646	641	636	633	685	0	[12 —	798]	24 00	631	[167]
31																																		
MEANS ALL DAYS a)				629	632	632	633	637	638	644	665	701	738	766	767	748	717	685	665	645	628	621	621	620	622	623	626	663						a) 194
MEANS TEN DAYS ✲				653	653	654	655	657	658	664	680	708	742	764	773	768	752	728	703	681	662	655	652	651	651	650	651	686						142
MEANS FIVE DAYS † (G. M. T.)				650	651	652	653	655	655	657	670	697	733	760	771	767	750	727	705	684	669	655 661	650 656	649	648	647	649	684						
MEANS FIVE DAYS ‡ (G. M. T.)				608	618	618	615	623	624	631	657	684	714	755	740	699	658	609	591	584	568	565	594	589	597	602	603	631						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days September 26 and 27

TABLE 199

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1926

OCTOBER 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		636	643	647	650	652	649	641	647	684	719	749	738	739	717	698	687	676	666	658	657	655	656	654	651	674	0	10 49	771	0 07	631	140
2				657	659	659	658	658	658	660	682	724	760	792	768	739	741	711	691	679	660	654	661	662	653	647	649	687	0	11 07	803	22 21	643	160
3				658	668	658	657	662	669	678	700	724	746	743	749	738	678	672	645	630	636	639	634	642	633	617	617	671	1	12 05	795	17 00	611	184
4				620	619	624	629	625	632	637	666	715	759	772	752	711	673	650	650	654	649	641	639	636	635	635	633	661	0	10 10	781	1 46	616	165
5	✓			633	632	634	633	636	635	643	682	727	770	794	796	754	702	673	660	653	646	646	645	644	643	643	644	674	0	11 12	830	1 40	631	199
6	✓			646	649	650	649	650	652	666	698	758	798	817	787	739	707	679	673	657	653	648	647	644	635	621	611	681	0	10 04	824	23 42	608	216
7				613	614	621	623	627	633	639	659	700	708	779	763	732	680	663	639	618	609	609	612	625	634	629	630	652	0	10 42	803	17 12	607	196
8				632	632	632	639	638	635	632	675	714	762	799	792	766	731	714	695	671	646	633	626	629	632	633	634	675	0	10 21	806	6 32	624	182
9	✓			630	629	633	638	638	638	643	678	742	802	848	861	825	774	730	694	667	651	646	641	641	638	637	641	690	0	11 16	864	0 54	627	237
10	✓	✓		641	640	641	639	642	640	631	658	714	776	818	836	818	783	739	699	667	654	649	643	641	639	637	640	687	0	11 09	842	6 36	627	215
11				647	649	650	655	660	650	639	664	717	755	793	796	792	766	751	(712)	691	663	655	651	650	647	641	642	689	1	12 48	818	6 48	635	183
12	✓			639	657	660	660	660	656	654	675	726	767	785	813	809	850	772	735	701	673	655	639	637	645	648	648	698	1	13 26	908	19 55	631	277
13				650	652	649	651	651	648	634	653	682	(753)	803	836	827	793	780	714	669	671	671	634	570	606	600	611	684	1	11 28	857	20 23	563	294
14			✓	623	635	648	658	664	652	651	682	715	770	805	818	770	706	[765]	683	560	[505	465]	445	429	441	455	527	628	1	11 36	837	20 01	417	420
15			✓	525	507	578	583	569	[592	603]	651	645	734	685	692	754	516	484	352	382	357	[372]	388	395	470	475	484	533	2	9 13	947	[15 —	324	623]
16			✓	495	500	513	510	513	510	519	545	598	638	673	691	710	704	703	662	615	570	563	562	556	563	563	585	586	1	13 22	719	0 30	487	232
17				570	566	569	576	576	573	571	586	645	670	708	751	746	712	683	650	620	591	580	580	584	585	583	582	619	0	11 30	766	1 42	559	207
18				583	583	580	585	591	588	570	579	619	670	674	688	694	691	679	655	624	597	585	575	570	578	585	580	613	0	11 41	697	20 09	566	131
19			✓	575	580	586	592	594	602	617	652	713	(759	729	708)	623	617	629	634	615	594	581	578	580	582	589	585	621	1	[9 —	820]	12 40	550	[270]
20				593	595	592	597	599	607	612	649	691	737	744	724	723	696	675	654	631	616	603	597	595	597	598	597	638	0	9 55	764	0 15	590	174
21	✓	✓		598	598	600	603	604	600	595	607	643	685	693	683	683	665	641	(633)	626	619	612	610	607	606	606	605	626	0	10 42	701	6 40	595	106
22	✓	✓		606	606	607	607	606	603	612	647	687	722	748	752	725	705	(677	659	645)	636	632	626	622	619	618	617	649	0	11 22	787	5 45	602	185
23	✓	✓		617	619	618	620	621	618	616	643	689	728	761	776	764	745	711	683	661	648	642	638	634	631	630	626	664	0	11 20	780	6 26	615	165
24				631	641	646	650	651	648	650	687	714	770	774	784	780	747	739	690	653	651	649	640	629	619	603	595	677	0	12 17	799	23 55	587	212
25			✓	596	592	592	608	609	586	583	617	650	680	737	650	658	658	617	626	(615)	583	576	583	587	592	598	599	616	1	10 42	787	6 28	575	212
26				597	598	597	602	607	607	607	634	667	689	696	710	710	698	686	671	658	642	624	611	609	611	611	608	640	0	11 35	719	2 45	595	124
27				609	614	617	620	622	626	631	658	697	705	722	710	707	691	671	662	645	624	614	608	604	609	614	615	646	0	10 10	734	20 30	602	132
28				617	619	622	624	629	635	637	651	672	672	672	692	720	719	717	713	681	659	646	641	641	641	641	641	658	0	13 35	733	0 12	616	117
29				630	628	631	633	633	634	641	655	682	662	688	692	698	683	687	676	650	634	629	637	633	632	627	626	651	0	12 24	732	23 00	624	108
30	✓			628	629	629	633	637	639	652	679	716	730	731	730	709	688	676	668	658	650	643	636	632	633	633	630	662	0	11 06	739	0 52	627	112
31				625	625	628	629	630	633	639	661	698	727	747	751	732	714	701	678	650	632	619	612	605	606	613	615	657	0	11 00	758	20 55	597	161
MEANS ALL DAYS				614	615	620	623	624	624	626	652	693	730	751	751	739	708	689	663	639	622	614	610	606	610	609	612	652						204
MEANS TEN DAYS ✲				627	630	632	633	635	633	635	661	709	750	774	777	756	734	700	679	661	650	643	638	636	634	633	631	670						185
MEANS FIVE DAYS (G. M. T.) †				620	621	623	624	625	622	619	640	683	726	754	757	746	723	693	672	655	645	630 639	625 635	622	620	619	619	658						
MEANS FIVE DAYS (G. M. T.) ‡				563	563	583	590	590	588	595	629	664	716	726	712	703	640	640	591	557	522	511	536	519	543	544	559	599						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 200

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	622	621	620	620	625	631	646	665	700	730	736	739	741	714	679	619	593	583	595	601	614	619	616	619	648	0	12	20 749	17	32 577	172
2				630	619	621	628	627	629	644	679	727	748	767	756	727	695	674	663	660	643	611	603	612	609	614	614	658	0	10	47 782	19	35 595	187
3			✓	613	612	619	635	628	630	632	659	699	721	748	756	704	679	658	643	640	633	628	627	627	627	625	622	653	0	11	18 766	1	30 611	155
4	✓			619	624	623	624	626	630	633	651	685	713	730	739	732	714	693	675	657	635	630	633	630	630	629	627	658	0	11	47 753	0	57 616	137
5				624	625	629	629	629	637	650	678	723	764	775	775	757	735	704	688	671	657	644	639	640	640	643	649	675	0	10	30 784	0	57 623	161
6				638	647	640	633	636	634	643	677	737	764	773	764	741	711	684	669	659	656	653	647	647	647	646	641	674	1	10	05 800	3	55 629	171
7	✓	✓		640	641	642	642	642	647	665	692	731	761	777	780	767	745	717	689	667	655	650	649	648	644	644	642	682	0	11	17 785	0	25 640	145
8	✓	✓		642	644	642	643	643	643	652	693	741	781	802	792	781	751	722	678	656	653	650	647	643	634	628	631	683	0	10	48 821	22	30 627	194
9				636	638	636	638	640	640	641	661	691	714	727	724	716	696	687	675	667	658	651	646	645	644	645	643	665	0	11	00 733	0	01 633	100
10	✓			641	642	640	643	644	647	653	683	718	750	762	770	761	743	715	686	661	656	657	657	654	653	655	656	681	0	9	47 779	2	30 637	142
11				649	648	651	656	659	663	670	698	744	780	798	775	759	759	732	721	700	674	648	647	647	644	645	646	692	1	10	22 808	19	00 637	171
12				648	634	640	649	651	651	652	662	704	719	747	771	778	766	744	715	682	658	650	650	645	645	642	637	681	1	12	28 792	1	42 629	163
13	✓			639	641	641	644	644	646	649	669	698	723	737	746	743	741	729	700	674	654	650	647	645	643	643	643	675	0	11	40 755	0	10 637	118
14	✓	✓		641	642	644	645	645	646	647	666	699	743	776	788	784	766	746	712	678	658	655	652	650	647	642	641	684	0	12	35 803	0	55 637	166
15	✓	✓		644	647	650	648	647	648	665	690	700	729	749	746	740	730	703	682	670	656	649	647	646	643	643	642	676	0	10	37 758	0	06 639	119
16	✓	✓		641	640	642	643	645	654	674	704	734	756	754	735	713	697	698	691	683	668	658	655	655	655	653	650	679	0	9	35 764	1	20 638	126
17				649	647	649	652	655	668	683	692	701	694	(669)	671	660	658	652	661	673	673	665	659	657	658	656	651	665	0	9	10 706	14	13 647	59
18				650	651	649	643	643	660	676	702	721	721	733	736	716	699	695	678	670	662	661	657	656	656	652	651	677	0	10	30 742	4	00 639	103
19				651	651	654	660	666	667	673	696	721	733	720	725	644	644	(637)	657	666	662	659	652	650	649	650	650	668	1	11	38 743	13	47 619	124
20				650	652	653	650	655	669	684	716	751	784	791	773	760	723	686	673	666	660	656	655	658	658	660	659	689	0	11	06 796	0	09 649	147
21			✓	661	662	658	658	658	666	677	711	751	772	785	789	783	760	693	671	634	645	645	640	631	632	630	631	685	1	11	00 836	16	35 618	218
22				638	644	637	636	640	640	645	669	721	765	795	774	757	720	691	671	649	638	634	636	638	639	639	634	673	0	10	25 806	23	38 630	176
23				644	638	639	639	645	643	651	683	731	790	791	757	733	715	682	676	674	668	659	653	643	633	619	623	676	0	9	39 803	22	37 617	186
24				628	631	633	635	643	656	662	675	687	713	739	718	694	672	656	647	655	654	646	645	643	642	640	638	660	0	10	28 749	0	01 626	123
25	✓			638	641	640	643	645	652	667	683	705	715	714	704	692	683	679	674	672	660	651	653	647	644	642	645	666	0	9	30 721	0	05 635	86
26				644	643	642	645	660	666	684	707	729	751	772	777	766	749	722	693	672	661	659	657	653	652	650	651	688	0	10	19 789	2	20 641	148
27	✓			651	649	650	651	654	659	665	673	709	743	757	768	764	757	733	706	686	670	661	655	661	651	656	660	687	0	11	52 782	21	18 647	135
28			✓	659	661	649	641	646	650	651	649	715	759	778	751	740	720	621	620	612	601	593	561	587	598	604	602	653	1	10	32 804	19	38 557	247
29			✓	599	597	606	612	612	625	608	619	661	665	657	698	719	706	691	668	649	614	612	615	605	614	606	605	636	1	12	27 753	1	09 589	164
30				610	612	608	608	609	617	643	671	696	728	733	718	679	660	652	647	641	630	624	619	617	616	615	615	644	1	9	56 758	2	48 606	152
31																																		
MEANS ALL DAYS				638	638	638	640	642	647	656	679	714	741	753	750	735	717	692	675	661	650	643	640	640	639	638	637	671						150
MEANS TEN DAYS ✻				640	641	641	643	644	647	657	680	712	741	756	757	748	733	714	689	670	656	651	650	648	644	644	644	677						137
MEANS FIVE DAYS † (G. M. T.)				642	643	644	644	644	648	661	689	721	754	772	768	757	738	717	690	671	658	651 652	648 650	647	645	644	642	681						
MEANS FIVE DAYS ‡ (G. M. T.)				631	631	630	633	634	640	643	661	705	729	741	747	737	716	668	644	626	615	615	617	625	624	629	630	657						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 201

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1926 — DECEMBER 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				616	617	616	615	620	631	646	660	655	660	675	671	672	657	654	652	647	641	632	630	629	625	626	629	641	0	10 42	687	3 08	614	73
2				623	621	629	625	626	636	656	680	705	715	711	694	655	655	659	669	668	658	647	647	645	638	637	640	656	0	10 19	731	0 18	618	113
3				638	641	634	635	635	644	655	673	714	728	724	725	716	706	688	681	664	679	673	663	656	658	644	640	671	0	9 37	736	4 42	627	109
4				643	649	649	650	649	649	646	664	703	736	759	763	768	□							□	634	623	618		0	12 29	776			
5	✓			629	635	635	633	630	634	646	669	711	748	763	753	736	695	675	658	650	646	644	642	639	639	639	641	666	0	10 32	772	0 01	624	148
6	✓	✓		640	640	638	639	642	651	666	690	722	742	739	712	676	659	623	629	645	651	646	634	629	647	636	638	660	0	9 52	757	14 47	615	142
7				637	635	639	640	642	645	653	677	731	755	762	749	718	692	674	673	663	657	648	645	645	643	642	643	671	0	10 06	769	1 29	634	135
8	✓	✓		643	643	642	643	643	645	647	659	695	725	750	751	725	710	692	685	671	661	655	650	649	655	657	655	673	0	11 08	764	3 05	640	124
9	✓	✓		657	658	660	657	653	647	635	640	679	728	751	754	746	731	694	681	677	669	660	655	654	655	655	655	677	0	12 13	759	7 09	626	133
10				665	668	670	671	672	681	688	697	738	741	774	737	742	728	705	691	675	658	658	657	655	651	649	651	688	1	10 19	850	22 49	647	203
11				648	651	654	655	654	651	641	631	673	685	664	678	693	696	687	681	670	663	658	654	654	657	655	655	663	1	8 26	740	7 59	608	132
12				657	658	661	663	670	677	671	690	727	742	753	766	749	720	702	682	665	652	648	646	642	638	640	641	682	0	11 02	807	21 35	637	170
13	✓			641	642	639	639	649	653	655	654	685	705	721	733	721	728	713	697	678	664	653	649	649	648	650	651	672	0	13 26	740	0 14	631	109
14	✓	✓		652	650	647	644	645	652	652	657	666	673	681	698	721	723	716	700	678	657	648	647	644	645	647	647	666	0	12 43	747	3 57	642	105
15				646	646	645	646	648	654	662	679	713	756	743	713	671	649	645	648	642	635	615	611	621	608	613	613	655	0	9 58	777	19 18	605	172
16			✓	612	614	625	631	633	634	640	657	672	710	722	696	666	652	633	623	620	615	610	606	607	607	610	617	638	0	9 53	748	19 46	604	144
17				622	628	627	630	632	637	647	662	694	736	751	751	736	(718)	714	682	682	656	652	646	652	648	641	640	670	1	10 16	766	0 23	619	147
18				640	641	644	647	652	663	675	698	727	(772)	791	787	737	746	725	691	673	655	645	636	631	634	633	634	682	0	10 59	812	20 11	628	184
19	✓	✓		636	642	641	639	639	646	658	680	719	766	787	772	757	738	719	687	663	652	644	647	648	648	648	646	680	0	10 25	798	0 01	633	165
20			✓	639	639	646	643	636	633	632	651	715	738	794	774	798	800	712	694	666	628	596	602	598	596	605	615	669	0	12 28	828	18 30	589	239
21				621	625	630	631	631	627	632	647	687	754	769	759	722	693	681	655	646	641	635	632	632	633	633	635	660	0	10 22	787	0 14	619	168
22	✓			636	638	636	634	634	634	634	645	680	727	768	775	763	742	708	675	650	636	636	640	638	638	638	643	669	0	11 00	785	6 58	627	158
23			✓	647	651	651	659	649	648	653	691	676	656	709	698	655	704	616	562	584	588	594	595	590	591	606	607	637	1	11 01	767	15 32	539	228
24				607	610	607	614	615	615	616	639	669	691	709	725	739	728	691	651	628	621	621	622	618	615	619	618	645	0	10 53	764	6 23	600	164
25	✓			616	610	615	615	618	617	617	625	669	711	743	771	765	735	682	653	633	625	626	628	629	623	620	614	652	0	11 58	778	1 26	610	168
26	✓			614	618	630	631	630	631	637	647	671	707	743	765	765	741	708	678	657	649	650	648	646	646	646	641	667	0	11 05	771	0 09	611	160
27				641	644	642	640	635	637	639	656	722	753	777	770	764	733	640	611	617	626	626	629	632	631	627	628	663	0	10 10	818	14 55	604	214
28			✓	630	629	631	635	634	636	638	639	666	685	723	746	725	726	696	665	655	642	639	641	634	632	642	642	660	1	11 05	783	21 37	626	157
29			✓	636	637	642	637	640	637	639	647	703	717	729	723	711	678	637	623	641	648	641	637	637	639	638	636	656	1	11 23	757	15 50	611	146
30				632	633	636	635	638	649	658	664	678	706	703	724	745	734	702	670	640	635	638	643	642	643	643	641	664	0	12 58	753	1 05	629	124
31				640	646	643	645	647	649	648	660	676	720	735	745	741	707	689	671	648	647	645	644	643	637	634	640	667	1	10 38	775	22 16	630	145
MEANS ALL DAYS a)				635	637	638	639	640	643	648	662	695	722	739	737	724	711	683	664	653	645	639	638	636	636	636	637	664						153 a)
MEANS TEN DAYS ✲				636	638	638	637	638	641	645	657	690	723	745	748	738	720	693	674	660	651	646	644	642	644	644	643	668						141
MEANS FIVE DAYS † (G. M. T.)				646	647	646	644	644	648	652	665	696	727	742	737	725	712	689	676	667	658	649 651	644 647	643	644	644	645	670						
MEANS FIVE DAYS ‡ (G. M. T.)				633	634	639	641	638	638	640	657	686	701	735	727	711	712	659	633	633	624	616	634	635	631	634	634	655						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day December 4

TABLE 202

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JANUARY 1926

JANUARY 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				565	563	564	566	566	564	565	569	576	580	580	574	563	554	546	544	543	550	560	563	562	563	564	563	563	0	10	00	583	16	18	542	41
2				563	563	563	565	567	566	566	567	564	564	567	567	557	552	547	544	545	552	557	565	564	564	564	563	561	0	10	40	571	15	31	543	28
3				563	563	563	564	564	565	569	578	580	583	585	575	564	560	560	561	561	562	562	564	563	563	563	560	566	0	9	58	588	14	10	558	30
4	✓			559	560	564	565	565	567	569	576	576	575	573	566	552	548	544	542	548	555	558	563	563	563	563	563	562	0	8	00	577	15	02	541	36
5	✓	✓		563	563	564	565	565	565	570	579	585	587	585	576	574	568	551	545	549	551	554	560	563	563	563	563	565	0	10	04	588	15	39	544	44
6				562	562	564	565	565	564	565	570	569	576	583	582	576	572	567	555	556	558	560	564	566	565	565	565	566	0	10	32	586	15	48	552	34
7				565	565	565	565	566	566	564	563	564	564	562	555	552	545	543	545	552	557	557	563	564	563	563	563	560	0	5	27	567	14	42	542	25
8	✓			563	564	565	566	567	566	567	575	575	570	573	578	582	579	580	573	563	562	562	566	567	568	568	567	569	0	12	31	583	17	21	561	22
9	✓			566	566	566	566	568	568	568	567	566	563	565	563	558	554	552	546	549	556	560	563	565	565	565	566	562	0	5	24	569	16	00	544	25
10				565	566	566	567	567	566	567	574	577	570	571	567	568	569	574	572	571	573	567	567	568	567	566	565	569	0	8	45	578	5	51	565	13
11				564	565	565	565	566	565	566	571	577	578	577	572	568	568	563	556	556	561	564	565	566	567	567	567	567	0	9	48	580	16	15	554	26
12				565	564	565	567	566	564	567	571	572	574	574	574	567	566	569	571	573	571	565	565	567	567	568	567	568	0	9	48	576	5	45	562	14
13				566	566	566	568	569	569	573	578	580	579	575	568	575	576	571	563	565	566	569	572	571	569	567	564	570	1	8	47	581	15	51	561	20
14				565	567	567	568	569	566	567	577	581	575	570	573	569	565	565	567	565	561	564	567	564	567	565	565	568	1	8	14	586	17	33	560	26
15				565	565	566	569	570	568	566	574	579	573	570	568	563	564	570	567	565	565	565	567	567	566	567	566	568	0	8	24	581	12	06	561	20
16				566	567	568	569	569	567	571	575	573	570	570	563	553	548	553	558	559	559	562	569	568	568	567	566	565	0	7	33	576	13	36	546	30
17				566	567	568	570	571	569	571	580	581	581	585	585	583	(587)	577	(571)	566	564	567	570	570	570	570	568	573	0	10	59	591	17	00	563	28
18			✓	567	565	566	569	571	572	569	575	579	573	570	565	564	560	557	553	555	558	561	564	567	568	568	566	566	1	8	34	581	15	32	552	29
19				566	566	566	566	567	564	569	589	601	611	617	606	584	576	558	546	552	556	557	562	565	565	565	564	572	0	10	07	619	15	27	544	75
20	✓	✓		564	565	566	567	568	567	566	569	575	582	588	587	576	567	556	551	553	559	563	567	568	570	569	569	568	0	11	00	591	15	27	550	41
21	✓	✓		568	567	567	568	568	567	568	575	576	577	576	571	559	558	558	556	553	553	556	562	563	563	564	564	565	0	8	00	578	16	58	552	26
22			✓	564	564	565	565	565	565	563	566	563	558	567	565	565	557	559	553	554	557	562	561	561	563	559	558	562	2	10	42	577	15	21	550	27
23			✓	559	560	560	561	562	565	571	589	595	597	592	579	565	559	554	553	557	562	561	562	565	566	566	566	568	1	8	50	600	15	17	547	53
24				566	566	565	566	566	567	567	570	570	575	582	580	582	574	563	554	552	555	562	565	567	567	568	567	567	1	11	40	585	16	01	551	34
25	✓	✓		566	566	566	566	566	567	568	574	579	581	582	585	587	590	604	572	560	559	559	562	564	565	566	565	572	0	14	13	612	18	59	558	54
26			✓	566	567	567	567	567	566	565	567	567	565	568	577	580	567	557	562	555	559	565	565	544	553	563	564	564	2	11	48	594	20	01	540	54
27			✓	565	564	564	563	564	565	565	568	571	(572	575)	577	574	569	566	566	567	565	561	562	562	563	563	564	566	0	11	31	579	18	39	559	20
28	✓			564	564	563	563	564	566	568	568	571	571	574	577	571	559	555	557	555	556	559	564	565	564	564	565	564	0	11	30	578	14	27	553	25
29				564	563	565	566	567	565	567	573	574	572	569	566	567	568	569	568	567	563	562	562	563	564	563	564	566	0	8	27	575	18	58	560	15
30	✓	✓		563	563	563	563	566	565	565	567	574	574	572	567	558	568	538	542	551	557	561	563	562	563	564	562	562	0	8	54	576	14	45	537	39
31	✓			561	562	564	564	565	564	567	575	577	578	577	574	573	570	568	568	567	567	564	565	565	565	564	564	568	0	9	34	579	0	45	560	19
MEANS ALL DAYS				564	564	565	566	567	566	567	573	576	576	577	574	569	565	561	557	558	560	561	564	564	565	565	565	566								31
MEANS TEN DAYS ✻				564	564	565	565	566	566	568	572	575	576	576	574	569	566	561	555	555	558	560	564	564	565	565	565	566								33
MEANS FIVE DAYS † (G. M. T.)				565	565	565	566	567	566	567	573	578	580	581	577	571	570	561	553	553	556	560 559	564 563	565	566	566	565	567								
MEANS FIVE DAYS ‡ (G. M. T.)				564	564	564	565	566	567	567	573	575	573	574	573	570	562	559	557	558	560	562	564	560	563	564	564	565								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 203

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1926

FEBRUARY 1926

DAY	*	†	‡	0-1	1-2	2-3	4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				[563]	△						△	570	567	564	558	556	548	552	553	557	562	565	566	565	563	564	564		0				13	33	546	
2				563	563	564	566	567	565	566	573	578	577	581	577	572	569	572	570	561	561	562	565	564	563	563	564	568	0	10	24	582	16	40	558	24
3				562	563	566	566	565	567	570	573	574	573	569	565	555	545	545	550	554	557	563	564	564	564	564	564	563	0	8	30	574	13	32	543	31
4				563	564	564	565	566	567	569	572	576	580	581	579	582	586	582	569	564	563	562	566	566	566	566	566	570	0	13	03	587	18	22	561	26
5	✓			566	566	567	568	569	569	568	570	572	577	577	572	569	569	566	569	569	570	569	569	569	569	569	569	569	0	9	51	579	14	36	565	14
6	✓	✓		568	568	569	569	570	571	575	582	589	597	597	593	588	587	583	576	571	569	566	567	568	568	568	568	576	0	9	54	599	18	40	565	34
7	✓	✓		568	568	569	569	571	571	569	572	575	575	572	572	570	570	570	564	562	562	564	567	568	568	569	567	569	0	8	57	577	16	20	561	16
8	✓	✓		567	567	569	569	570	570	569	569	569	572	577	579	579	575	569	552	552	559	564	566	567	568	568	568	568	0	11	12	580	15	48	550	30
9		✓		567	567	567	568	569	569	568	573	580	579	574	571	568	565	△											0	8	35	581				
10																																				
11			✓																							△	[564]									
12				567	567	567	569	569	567	567	574	585	590	590	588	585	583	569	567	557	557	564	569	569	569	569	569	572	0	9	54	591	16	54	555	36
13				569	571	571	574	574	571	569	583	588	588	590	588	578	578	578	(578)	579	572	575	577	577	577	577	577	577	0	8	45	592	0	35	567	25
14				577	577	577	577	577	575	575	577	579	579	575	568	568	570	579	568	556	558	565	570	572	572	572	572	572	0	8	30	589	16	45	551	38
15				570	570	570	570	572	572	570	577	589	586	586	589	579	568	565	553	551	558	565	570	570	570	570	570	571	0	8	38	591	16	00	546	45
16				570	570	572	572	575	577	577	586	593	596	596	591	582	584	586	579	570	(575)	572	572	572	572	572	572	578	0	9	00	603	16	33	565	38
17				575	575	577	579	579	579	572	579	582	584	584	579	572	572	572	568	563	574	574	572	572	572	568	565	574	0	10	42	589	16	39	558	31
18			✓	568	570	572	575	579	579	579	589	600	600	609	615	607	607	602	586	569	568	566	571	571	571	571	570	583	0	11	20	618	18	25	565	53
19				570	571	571	573	573	573	572	578	578	578	575	571	569	566	566	561	561	562	562	567	568	568	568	568	570	0	8	00	579	16	09	558	21
20				568	568	568	570	571	571	570	573	570	568	570	569	569	566	(564)	549	545	556	562	567	571	574	575	575	567	0	23	55	576	16	10	543	33
21				576	576	576	576	577	577	578	581	579	576	576	583	585	579	574	567	563	561	566	571	573	573	571	574	574	0	12	15	587	17	17	559	28
22			✓	573	573	573	574	575	575	572	578	580	578	576	568	563	569	576	574	574	573	571	571	572	573	573	573	573	0	8	30	581	12	03	560	21
23			✓	572	574	574	574	574	574	573	575	577	574	573	568	560	551	557	558	560	569	568	564	569	571	571	570	569	2	8	00	578	14	10	547	31
24			✓	575	567	571	571	574	575	570	582	587	577	567	567	567	582	580	577	568	564	567	567	567	567	569	572	572	2	8	21	594	10	33	553	41
25				572	570	569	572	572	574	582	596	594	584	580	575	569	563	562	561	563	565	566	567	567	569	570	567	572	0	7	51	601	14	01	561	40
26				567	567	570	574	575	573	570	571	574	570	567	561	560	557	559	558	559	565	565	569	569	569	569	569	567	0	8	40	575	13	28	556	19
27		✓		570	570	571	572	574	574	575	583	591	595	588	575	568	565	564	564	564	567	567	570	570	570	570	570	573	0	9	15	596	14	00	561	35
28				570	571	572	572	573	573	575	581	583	582	582	582	577	577	578	575	570	568	570	571	571	571	570	568	574	0	11	06	584	16	45	567	17
29																																				
30																																				
31																																				
MEANS ALL DAYS a)				569	569	570	572	573	572	572	578	582	582	581	578	574	572	572	566	563	565	566	569	569	570	570	569	572								30 a)
MEANS TEN DAYS *				570	570	570	571	572	572	572	577	579	580	579	576	574	572	571	565	563	565	566	569	570	570	570	570	571								25
MEANS FOUR DAYS (G. M. T.) b) †				568	568	570	570	571	572	572	576	581	585	584	580	576	574	572	564	562	564	566 565	568 568	568	568	569	568	571								
MEANS FOUR DAYS (G. M. T.) c) ‡				572	571	572	574	576	576	574	581	586	582	581	580	574	577	579	574	568	568	568	570	572	572	571	570	574								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-four days only, omitting incomplete days February 1, 9, 10 and 11
b) Omitting incomplete Greenwich day February 9
c) Omitting incomplete Greenwich day February 11

TABLE 204

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1926 — MARCH 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				567	567	570	571	573	573	572	574	577	579	575	571	575	572	568	564	567	567	567	566	568	568	568	568	570	0	9 56	580	15 21	561	19
2				567	567	567	569	572	572	572	576	582	593	593	588	580	580	576	572	567	563	567	569	570	571	570	570	574	0	10 48	597	17 05	561	36
3				571	571	573	574	575	576	576	582	586	586	590	587	580	576	573	573	568	568	572	573	571	572	573	573	576	0	11 06	593	16 45	564	29
4				573	573	574	576	576	576	574	579	583	584	584	584	584	576	571	570	570	573	575	575	575	575	575	575	576	0	12 25	586	16 36	568	18
5			✓	573	574	575	576	576	579	572	573	582	590	584	573	570	562	555	557	553	558	566	567	565	565	565	572	570	2	9 27	598	16 48	548	50
6			✓	571	573	573	576	574	574	574	577	582	586	589	589	586	585	578	576	568	567	567	569	571	572	572	573	576	0	11 51	591	17 51	565	26
7				574	574	574	576	576	577	577	582	589	591	589	582	570	565	561	560	557	561	566	570	568	569	569	570	573	0	9 30	592	16 30	555	37
8	✓	✓		571	572	573	574	576	576	576	577	580	579	579	578	576	572	572	568	569	571	571	571	571	571	571	571	574	0	8 01	581	16 09	567	14
9			✓	571	571	573	574	575	577	575	571	578	579	588	579	576	571	561	561	563	566	568	566	566	566	571	570	572	2	10 40	597	14 46	556	41
10			✓	571	573	573	577	577	576	576	576	574	571	570	571	565	564	560	558	560	565	569	570	569	572	569	568	570	0	3 20	579	15 36	556	23
11				567	572	572	574	575	575	573	571	567	567	567	562	565	569	564	564	564	567	569	569	572	572	571	572	569	1	5 00	577	11 58	556	21
12				572	574	577	577	577	577	573	572	573	574	577	572	572	573	569	563	562	565	567	572	572	572	572	572	572	0	10 36	580	16 15	559	21
13	✓			572	574	577	577	577	577	574	574	577	577	576	(567)	562	561	(559)	555	562	569	572	571	572	574	575	575	571	0	9 45	579	[15 00	550	29]
14	✓			576	577	577	578	579	578	578	584	590	591	595	600	602	597	590	583	582	582	580	578	577	578	577	576	584	0	12 27	604	0 28	574	30
15	✓	✓		577	578	579	580	582	582	578	578	580	580	577	577	583	584	580	580	580	579	577	575	576	576	576	577	579	0	13 31	585	19 30	574	11
16	✓			577	578	580	580	582	582	585	592	599	598	592	584	577	569	564	564	566	569	570	572	574	574	573	573	578	0	9 00	601	14 45	560	41
17				575	577	578	578	580	581	585	593	596	596	593	589	582	572	570	565	563	566	570	570	572	574	571	573	578	0	8 05	599	16 02	562	37
18			✓	575	576	578	578	578	578	579	591	600	594	588	578	569	560	559	560	564	565	570	573	573	573	573	573	575	0	8 19	602	14 37	558	44
19				574	574	576	577	578	578	578	585	596	600	604	606	602	598	588	583	570	570	571	573	575	573	574	573	582	0	11 00	609	16 51	568	41
20				573	574	575	578	579	580	579	580	580	579	582	588	591	587	578	568	566	573	573	575	574	575	574	573	577	0	12 48	593	16 20	564	29
21				575	578	580	580	580	579	578	581	585	584	580	580	578	574	567	562	561	565	570	570	573	575	575	575	575	0	8 53	586	16 15	560	26
22				575	578	577	577	578	578	579	585	588	589	591	589	588	584	577	574	570	570	573	573	575	574	574	575	579	0	10 23	595	17 30	568	27
23	✓			576	576	578	579	580	580	578	578	580	581	581	583	586	591	585	578	576	576	576	576	577	577	576	576	579	0	13 36	592	16 00	575	17
24				578	579	579	581	581	582	582	587	589	587	580	579	574	578	577	571	571	573	575	574	574	575	575	575	578	0	9 00	590	16 27	569	21
25	✓	✓		577	578	579	(576)	580	579	580	585	585	581	581	579	582	584	582	578	574	576	576	576	576	576	576	576	579	0	8 00	587	16 33	573	14
26	✓	✓		576	577	577	579	580	580	582	586	587	585	582	584	581	579	577	576	575	577	576	575	575	576	576	576	579	0	8 48	588	16 10	574	14
27	✓			578	579	580	581	581	581	582	584	583	579	579	584	581	580	575	576	577	578	576	574	577	577	576	576	579	0	11 46	589	14 18	574	15
28				576	574	574	577	578	579	579	586	591	589	586	589	584	577	571	566	567	573	575	573	573	575	576	571	577	0	8 33	593	15 51	564	29
29				573	575	576	575	577	579	580	583	588	587	586	586	584	574	574	571	572	574	574	574	575	575	576	576	578	0	8 42	592	13 21	570	22
30				576	577	579	579	580	581	581	581	583	582	579	578	575	575	576	579	580	579	576	575	575	576	576	575	578	0	8 07	585	13 31	571	14
31	✓	✓		577	577	580	580	581	581	581	582	582	585	589	591	594	588	588	588	585	582	579	576	577	577	577	577	582	0	12 07	595	0 01	575	20
MEANS ALL DAYS				574	575	576	577	578	578	578	581	584	585	584	582	580	577	572	570	569	571	572	572	573	573	573	573	576						26
MEANS TEN DAYS ✲				576	577	578	578	580	580	579	582	584	584	583	583	582	580	577	575	575	576	575	574	575	576	575	575	578						20
MEANS FIVE DAYS † (G. M. T.)				576	576	578	578	580	580	579	582	583	582	582	582	583	581	580	578	577	577	575 575 576	575 575 575	574	575	575	574	578						
MEANS FIVE DAYS ‡ (G. M. T.)				572	573	574	576	576	577	575	578	583	584	584	578	573	568	563	562	562	564	568	570	570	570	571	572	573						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Ⓧ = NO RECORD

TABLE 205

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1926 — APRIL 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			579	580	581	582	582	582	582	585	589	594	596	594	590	586	578	576	580	580	580	578	577	577	577	580	583	0	10 01	598	15 26	575	23
2	✓	✓		582	582	582	583	583	583	583	583	585	585	587	590	592	585	572	570	572	575	577	577	576	575	575	576	580	0	12 28	594	15 12	568	26
3	✓			575	577	579	580	580	580	579	579	577	584	587	588	584	576	565	564	568	574	577	577	577	577	577	577	577	0	11 21	590	14 41	562	28
4	✓			577	578	579	580	582	580	580	580	584	588	590	587	583	575	565	562	568	572	575	575	575	576	576	575	578	0	10 30	591	15 54	560	31
5				578	578	581	582	582	582	582	577	576	577	578	576	577	572	566	566	567	572	575	574	575	576	576	577	576	0	5 12	584	14 45	565	19
6			✓	579	579	579	582	585	585	580	577	575	576	580	584	594	586	576	575	575	577	579	579	578	578	579	579	580	1	12 32	596	14 24	572	24
7			✓	581	583	583	584	586	587	586	586	586	588	588	586	590	583	576	571	571	577	580	579	580	580	581	581	582	1	12 10	591	15 45	570	21
8				584	583	583	585	587	588	587	589	591	588	584	585	588	586	578	573	573	578	581	580	579	582	582	581	583	0	8 00	592	15 15	571	21
9				582	585	585	588	587	587	586	581	577	577	581	587	593	588	578	574	576	579	581	581	581	583	584	583	583	0	12 29	594	15 30	573	21
10				584	586	586	588	589	588	586	585	585	583	584	581	578	571	566	564	569	577	581	580	581	581	582	582	581	0	4 02	589	15 09	563	26
11				582	584	586	587	587	590	590	589	585	578	577	579	586	588	578	576	578	581	581	578	578	581	583	583	583	0	5 36	591	15 12	574	17
12				584	586	587	589	588	588	587	583	582	578	581	587	594	599	591	582	576	579	582	581	583	583	583	583	585	0	13 15	601	16 21	575	26
13				585	587	587	588	589	590	594	594	596	597	594	595	588	583	579	573	(573)	580	583	582	582	581	581	581	586	0	9 19	598	[15 51	571	27]
14			✓	583	587	588	589	590	590	593	601	599	602	593	582	581	588	584	572	573	582	584	584	587	587	589	587	587	2	9 10	610	15 44	566	44
15			✓	589	595	592	595	594	595	604	613	617	604	592	583	579	575	572	572	576	576	579	582	583	584	587	585	588	2	8 18	620	14 30	569	51
16			✓	585	585	589	589	588	590	589	591	592	587	581	582	577	569	565	567	570	579	581	582	586	584	584	584	582	1	8 09	595	14 30	564	31
17				586	588	586	588	589	589	591	596	598	603	604	599	595	592	584	577	579	584	584	583	584	585	586	586	589	1	9 59	606	15 42	576	30
18				588	589	589	590	591	591	589	584	584	588	595	605	612	613	600	(584	577	581)	587	586	586	587	588	585	590	0	12 51	616	[16 18	576	40]
19	✓			587	589	589	591	591	592	592	590	587	584	587	588	590	590	587	582	582	582	582	583	584	586	586	586	587	0	6 15	593	16 00	581	12
20	✓	✓		588	589	590	590	592	592	592	594	599	603	604	600	600	595	582	572	570	576	582	584	584	584	585	585	589	0	9 57	607	16 06	569	38
21				588	588	590	591	592	594	596	591	589	585	589	589	590	588	585	576	575	579	583	584	585	585	583	583	587	0	6 06	597	15 54	573	24
22				587	588	589	591	591	590	593	596	594	590	593	591	593	596	593	590	585	583	583	582	588	589	589	589	590	1	13 12	600	19 18	580	20
23				589	590	591	592	593	593	592	591	585	585	585	589	594	592	588	586	582	583	585	585	587	589	589	589	588	0	12 33	597	17 00	579	18
24				589	591	591	592	593	593	593	595	599	597	600	603	602	600	602	597	589	588	588	589	590	591	591	591	594	1	11 39	603	17 00	585	18
25				593	593	596	596	595	594	591	585	580	585	589	592	594	597	594	588	585	588	589	589	590	592	590	591	591	0	13 51	598	8 30	578	20
26				593	593	595	595	597	595	593	593	591	589	593	593	590	588	582	578	578	583	586	588	590	591	591	591	590	0	4 18	598	15 42	576	22
27	✓			591	593	593	593	594	594	595	596	596	598	603	606	611	611	606	597	591	591	591	591	592	593	593	594	596	0	12 30	614	18 00	590	24
28	✓	✓		595	596	596	595	593	593	593	593	597	601	606	614	611	608	606	604	598	591	591	591	592	594	595	594	598	0	11 51	615	18 18	590	25
29	✓	✓		596	597	597	597	598	597	601	598	601	601	598	600	598	604	611	611	606	600	595	594	595	596	596	597	599	0	15 16	611	19 24	593	18
30	✓	✓		598	600	601	601	602	603	606	609	610	609	604	604	605	603	600	596	592	593	592	592	595	596	597	597	600	0	9 09	612	16 06	591	21
31																																		
MEANS ALL DAYS				586	587	588	589	590	590	590	590	590	590	591	591	592	590	584	579	578	581	583	583	584	585	585	585	587						26
MEANS TEN DAYS ✻				587	588	589	589	590	590	590	591	592	595	596	597	596	593	587	583	583	583	584	584	585	585	586	586	589						25
MEANS FIVE DAYS † (G. M. T.)				592	593	593	593	594	594	595	595	598	600	600	602	601	599	594	591	588	587	588 587	587 588	588	589	589	590	593						
MEANS FIVE DAYS ‡ (G. M. T.)				583	586	586	588	589	589	590	594	594	591	587	583	584	580	575	571	573	578	581	580	581	581	582	582	584						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 206

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1926 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1926

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM			MINIMUM			RANGE
																														H	M		H	M		
1	✓	✓		598	599	600	600	601	601	607	615	619	616	622	628	631	622	620	607	599	596	596	596	598	599	599	600	607	0	12	15	632	19	15	594	38
2	✓	✓		601	601	601	602	603	604	606	607	607	606	606	607	611	608	605	600	599	599	596	596	596	599	599	599	602	0	12	20	612	18	40	594	18
3				600	601	601	601	601	601	601	606	609	614	623	628	623	619	614	607	600	599	598	597	594	601	600	601	606	1	11	22	629	20	40	590	39
4			✓	607	608	608	608	608	608	608	607	603	600	597	600	603	610	610	602	600	599	597	599	601	600	600	599	603	1	13	58	617	23	25	594	23
5			✓	602	602	603	606	607	608	608	609	613	615	612	622	620	610	604	597	594	595	597	599	600	601	602	601	605	1	11	50	627	16	45	593	34
6			✓	601	602	605	605	606	607	603	597	588	586	586	593	601	607	607	600	594	587	590	594	594	596	599	599	598	1	14	20	608	9	06	581	27
7				600	601	603	602	605	602	604	608	610	609	607	605	597	587	589	589	587	593	594	594	595	597	597	599	599	0	9	00	611	13	15	582	29
8				601	602	601	601	602	602	605	607	607	607	606	603	595	593	594	594	594	594	594	595	594	597	597	598	599	0	9	35	608	13	45	592	16
9				600	602	603	605	603	605	604	601	600	596	589	588	587	593	597	590	592	594	594	594	595	594	591	592	596	0	5	40	605	12	12	584	21
10			✓	597	599	597	601	602	606	608	603	594	587	579	585	583	590	594	593	593	594	594	594	596	595	595	597	595	1	6	00	610	10	35	573	37
11			✓	598	599	601	602	602	603	606	608	600	588	588	587	583	586	590	588	588	594	594	594	596	598	598	600	595	1	7	25	609	12	18	580	29
12				599	600	601	601	601	602	608	603	602	599	592	580	580	580	580	585	588	592	594	595	595	595	595	595	594	1	6	45	611	12	40	575	36
13				601	602	601	600	600	602	603	600	593	588	586	580	588	587	587	588	589	595	593	594	595	595	595	596	594	0	6	35	606	11	15	579	27
14				598	600	601	602	602	602	603	603	602	604	602	598	594	589	587	588	595	596	595	594	595	595	596	596	597	0	9	50	606	14	10	583	23
15	✓	✓		595	597	599	600	601	602	602	608	610	616	616	609	596	590	589	589	589	595	595	595	599	600	600	601	600	0	9	55	618	14	00	588	30
16	✓			600	600	600	600	602	602	605	609	609	611	616	618	610	608	(607	607	600)	599	596	600	600	601	600	599	604	0	11	15	620	18	12	594	26
17				600	600	601	601	602	603	605	607	607	607	609	613	607	593	587	585	586	592	596	593	593	600	600	599	599	0	11	58	613	16	08	584	29
18				600	601	601	601	601	601	601	599	601	601	602	600	601	594	589	591	594	594	594	596	597	597	598	599	598	0	10	35	606	14	45	588	18
19				599	600	601	601	602	603	604	606	601	597	599	603	601	598	594	594	596	595	594	594	595	599	599	597	599	0	12	10	608	15	09	592	16
20				594	594	598	601	601	602	604	603	599	592	591	593	593	594	594	590	589	594	596	596	597	598	596	598	596	0	7	15	607	9	25	587	20
21				598	599	600	599	601	601	603	603	603	603	601	599	592	590	594	598	594	594	594	594	596	597	599	599	598	0	9	25	606	13	00	589	17
22				599	599	599	601	601	601	603	608	608	608	608	609	604	603	601	600	594	594	595	593	594	597	598	597	601	0	11	00	612	16	50	593	19
23				599	599	599	599	599	600	600	595	593	594	602	607	598	593	594	594	592	594	594	594	596	598	599	599	597	0	11	20	607	13	30	590	17
24	✓			599	599	599	600	600	601	603	606	606	608	611	610	597	587	587	588	594	594	594	595	596	597	597	597	599	0	11	15	612	14	15	586	26
25				600	600	600	600	598	602	602	602	602	601	602	608	608	598	598	598	597	596	598	597	597	597	598	600	600	0	11	50	609	13	48	595	14
26	✓	✓		600	600	600	600	600	601	604	609	610	615	617	617	609	601	588	582	587	591	593	594	594	595	595	595	600	0	11	15	620	15	30	581	39
27	✓			598	598	598	598	599	600	602	602	602	601	600	602	602	600	594	590	588	590	595	594	594	595	595	595	597	0	7	35	604	16	30	587	17
28	✓			595	596	597	598	598	598	601	602	601	598	599	594	588	589	593	588	587	589	591	592	594	595	595	595	595	0	7	40	602	12	45	586	16
29	✓			595	595	595	595	595	597	600	597	594	594	594	595	595	599	602	600	595	594	593	593	594	595	595	595	596	0	14	50	604	10	04	592	12
30	✓			595	595	595	595	595	595	600	602	601	589	582	587	589	588	591	593	589	590	591	591	594	594	594	594	593	0	8	00	603	10	40	581	22
31		✓		594	595	595	595	596	597	599	601	598	596	596	595	597	595	594	591	590	594	594	594	594	595	595	595	595	0	7	00	602	16	00	589	13
MEANS ALL DAYS				599	600	600	601	601	602	604	604	603	602	601	602	599	597	596	594	593	594	594	595	596	597	597	598	599								24
MEANS TEN DAYS ✲				598	598	598	599	599	600	603	606	606	605	606	607	603	599	598	594	593	594	594	595	596	597	597	597	599								24
MEANS FIVE DAYS † (G. M. T.)				598	598	599	599	600	601	604	608	609	610	611	611	609	603	599	594	593	595	594 595	594 595	596	596	597	597	601								
MEANS FIVE DAYS ‡ (G. M. T.)				601	602	603	604	605	606	607	605	600	595	592	597	598	601	601	596	594	594	594	597	597	598	598	598	599								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 207

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1926 — JUNE 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	596	596	596	596	598	600	606	599	594	596	592	601	602	601	594	593	588	588	590	589	593	598	596	596	596	2	6 18	610	16 45	583	27
2			✓	599	601	598	600	598	603	608	609	602	593	588	588	594	595	592	590	591	593	595	596	596	596	596	596	597	1	6 45	612	10 40	588	24
3	✓			596	598	599	598	599	600	602	599	594	589	588	585	586	588	590	590	590	589	592	595	596	596	596	596	594	0	6 30	603	11 30	584	19
4	✓	✓		596	596	598	599	600	601	603	602	597	595	599	605	605	603	603	596	592	595	596	596	598	599	598	597	599	0	11 35	609	16 40	590	19
5	✓			599	600	601	601	601	601	605	609	613	614	616	614	608	602	601	596	594	596	596	597	599	599	601	601	603	0	10 40	617	16 00	593	24
6				602	603	603	603	603	603	603	603	598	599	603	611	614	611	607	600	595	599	600	599	601	603	603	603	603	0	12 25	614	16 30	594	20
7				603	603	603	603	604	605	610	608	603	596	589	588	590	597	603	602	596	594	596	598	597	600	601	603	600	0	6 50	611	10 15	588	23
8			✓	600	602	604	604	605	604	608	604	599	595	592	591	594	600	600	595	596	596	597	599	601	601	600	603	600	1	6 40	611	11 42	589	22
9			✓	601	603	604	606	605	606	606	607	604	597	595	590	591	595	595	596	597	598	598	599	601	602	602	602	600	0	6 35	609	11 50	589	20
10				604	604	604	604	604	605	606	604	600	600	599	600	603	606	606	604	597	597	597	597	597	600	600	601	602	1	15 00	608	16 45	596	12
11	✓			600	602	602	602	602	603	602	600	596	591	590	595	595	597	598	598	597	597	597	597	597	598	600	601	598	0	6 15	604	10 35	589	15
12	✓	✓		602	602	602	602	604	604	603	602	600	602	603	604	607	606	598	599	597	599	600	601	601	602	602	602	602	0	13 25	611	14 40	596	15
13	✓			603	604	604	604	603	603	603	603	603	602	599	603	602	602	602	600	596	597	598	599	600	601	601	601	601	0	1 05	604	16 50	595	9
14				602	603	603	603	604	604	606	608	606	609	615	621	620	611	608	599	597	599	602	603	604	604	604	604	606	0	12 00	622	16 50	596	26
15				605	606	607	607	607	605	607	612	612	612	614	618	620	616	613	(605	595)	598	603	604	605	605	606	605	608	0	12 30	623	[16 52	592	31]
16				607	607	607	607	607	607	607	605	610	611	611	611	616	621	616	605	603	604	603	605	605	605	605	605	608	0	13 45	623	18 30	602	21
17				607	607	607	608	609	610	612	608	605	604	605	609	612	616	612	(606)	600	604	604	604	606	607	607	605	607	0	13 29	618	[16 15	599	19]
18				607	608	608	608	608	609	610	609	605	601	601	602	606	605	603	599	598	599	607	604	605	606	605	605	605	0	6 20	612	16 52	597	15
19				606	606	607	607	607	607	609	612	614	609	606	604	608	611	608	604	604	605	605	605	606	606	606	606	607	0	8 10	615	11 45	603	12
20	✓	✓		606	607	607	607	608	608	608	605	601	598	592	590	598	603	605	604	603	603	603	603	604	605	605	605	603	0	6 30	609	11 00	589	20
21	✓			605	606	606	606	607	608	609	609	607	603	598	593	595	598	595	590	591	598	601	602	603	604	604	604	602	0	7 05	611	16 00	588	23
22				605	605	606	606	606	606	607	608	609	610	607	604	604	604	606	605	604	604	604	605	605	606	605	605	606	1	9 05	611	16 30	603	8
23			✓	605	605	606	607	607	609	611	611	609	606	602	602	602	604	610	607	604	604	604	605	605	607	608	608	606	1	6 45	612	10 40	599	13
24				607	607	608	608	609	609	614	617	614	609	604	603	601	599	600	599	599	601	603	604	605	606	606	606	606	0	7 30	619	13 40	598	21
25	✓	✓		607	607	607	607	608	608	609	610	610	607	605	604	599	600	604	605	603	603	604	604	605	606	606	606	606	0	8 05	612	13 00	598	14
26	✓	✓		606	607	607	607	608	608	607	605	604	603	605	610	617	619	619	612	604	603	604	605	605	606	606	607	608	0	14 10	621	17 00	602	19
27				607	608	609	610	610	609	609	608	611	612	614	618	619	619	617	610	606	607	607	608	608	609	609	609	611	0	12 10	620	16 08	604	16
28				609	609	609	609	610	610	613	610	606	603	604	605	609	612	613	610	606	603	606	607	608	608	609	609	608	0	13 52	615	17 05	603	12
29				610	611	610	611	610	611	610	609	605	602	600	602	605	603	601	604	604	604	605	607	607	608	609	609	607	0	5 10	613	10 50	599	14
30				609	609	609	609	610	610	610	608	601	598	600	606	608	605	600	599	600	601	604	606	606	607	608	608	605	0	6 30	611	9 45	596	15
31																																		
MEANS ALL DAYS				604	604	605	605	605	606	607	607	604	602	601	603	604	605	604	601	598	599	601	601	602	603	603	604	603						18
MEANS TEN DAYS ✲				602	603	603	603	604	604	605	604	602	600	600	600	601	602	602	599	597	598	599	600	601	602	602	602	601						18
MEANS FIVE DAYS (G. M. T.) †				603	604	604	604	606	606	606	605	602	601	601	603	605	606	606	603	600	601	600 601	601 602	602	602	603	603	603						
MEANS FIVE DAYS (G. M. T.) ‡				600	601	602	603	603	604	608	606	602	597	594	594	597	599	598	596	595	596	597	597	598	600	599	600	599						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 208

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1926 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JULY 1926

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			608	608	605	609	610	610	611	609	606	607	606	609	611	610	605	600	601	605	605	605	606	610	609	609	607	0	13 00	614	15 50	599	15
2				609	610	610	612	610	609	610	609	609	610	621	621	618	614	612	610	610	608	607	606	607	608	607	607	611	0	11 35	622	19 23	605	17
3				607	607	607	607	608	609	610	607	605	606	609	608	613	613	607	603	603	604	606	605	608	609	610	609	608	0	13 00	616	16 12	601	15
4				609	609	609	609	608	610	610	611	611	610	610	613	621	622	618	610	603	605	608	610	610	610	610	610	611	0	12 38	625	16 30	602	23
5			✓	610	610	610	611	611	612	613	613	614	613	613	613	616	621	617	616	611	609	610	610	611	611	610	610	612	1	14 00	621	17 20	608	13
6				611	612	612	613	613	613	616	614	612	612	611	611	611	606	602	604	604	605	607	607	608	609	610	610	610	0	6 35	617	14 20	601	16
7			✓	611	611	612	612	612	612	613	612	611	609	609	608	611	613	610	609	602	604	607	609	609	610	610	610	610	1	14 00	614	16 45	601	13
8				609	610	611	611	611	612	613	612	609	605	602	602	605	604	604	604	602	604	606	607	608	609	610	611	608	0	6 45	615	16 40	601	14
9	✓			611	611	611	611	611	611	612	611	607	606	607	611	615	614	613	611	609	607	608	(606)	607	606	610	611	610	0	12 36	617	[19 46	605	12]
10	✓			611	611	612	612	613	613	615	613	612	611	606	606	606	610	612	613	613	611	611	611	611	611	611	612	611	0	6 18	617	11 15	603	14
11	✓	✓		612	612	612	612	613	615	617	612	608	606	604	606	611	612	611	609	606	607	610	611	611	611	611	611	610	0	6 25	618	10 50	602	16
12				611	611	611	612	612	613	617	615	610	605	603	601	606	606	605	604	606	606	609	610	610	611	611	611	609	0	6 57	617	11 00	600	17
13				612	612	613	613	614	616	618	617	612	610	611	612	612	612	613	611	608	611	612	612	612	612	612	613	612	0	6 50	618	16 15	607	11
14	✓	✓		613	613	613	613	613	615	618	614	612	612	613	612	612	610	607	606	607	608	612	612	612	612	612	612	612	0	6 25	618	16 00	604	14
15				612	613	612	613	614	616	618	617	612	608	608	609	611	609	610	607	603	607	608	611	612	612	612	612	611	0	6 38	619	16 20	602	17
16				612	612	612	613	613	613	614	615	615	613	614	616	616	617	614	611	607	608	610	611	612	612	612	612	613	0	12 15	618	16 42	605	13
17				612	612	612	613	613	615	616	616	614	612	611	610	611	611	608	607	606	607	610	612	612	612	612	612	612	0	6 50	618	16 10	604	14
18				611	612	613	613	613	613	616	618	613	610	608	606	606	609	607	604	606	607	610	610	611	612	612	612	610	0	7 00	618	11 55	603	15
19				612	612	612	613	613	613	616	613	612	613	616	618	618	618	615	(608)	607	608	612	613	613	613	614	614	613	1	13 00	619	[15 59	605	14]
20				616	616	617	617	617	617	619	615	613	608	(606	603)	604	608	609	608	608	611	613	614	614	614	614	615	612	0	6 22	621	[11 54	602	19]
21	✓	✓		614	615	615	616	618	618	619	616	613	613	613	613	617	615	613	611	612	612	613	613	613	614	614	614	614	0	6 30	620	15 15	609	11
22	✓	✓		614	615	615	616	617	617	618	618	617	618	624	627	624	622	614	611	611	613	614	614	614	614	614	615	616	0	11 00	628	16 15	609	19
23	✓	✓		615	615	617	617	617	619	621	619	617	617	619	622	623	619	617	614	613	611	613	613	613	614	614	615	616	0	11 55	623	17 15	609	14
24				615	615	616	618	619	619	619	624	630	630	625	625	622	614	615	618	617	614	613	614	615	617	617	618	619	0	8 54	632	18 10	612	20
25	✓			619	619	619	619	619	619	619	619	621	623	627	635	639	629	619	621	622	619	617	617	617	617	617	619	621	0	12 15	642	21 08	616	26
26	✓			619	619	619	619	619	619	620	620	619	614	615	624	625	619	613	613	612	612	613	613	613	614	614	614	617	0	12 00	627	17 00	609	18
27			✓	616	617	618	618	620	620	623	624	617	609	613	613	608	604	600	600	605	613	614	614	614	610	610	610	613	1	7 08	625	15 00	599	26
28			✓	614	613	614	618	619	620	622	625	624	619	614	612	610	607	604	604	607	611	614	613	614	614	614	614	614	1	7 05	627	14 56	603	24
29				614	614	614	615	616	617	620	625	625	615	609	608	609	613	615	615	613	611	613	611	612	613	614	614	614	0	8 10	626	10 50	605	21
30				614	614	614	615	615	615	617	623	625	626	629	624	615	613	609	599	600	604	609	609	611	612	614	614	614	1	10 35	630	15 55	596	34
31			✓	613	614	614	615	615	616	618	623	623	623	620	618	614	615	618	615	617	617	614	612	614	615	616	615	616	1	9 02	624	19 30	610	14
MEANS ALL DAYS				612	613	613	614	614	615	616	616	614	613	613	613	614	613	611	609	608	609	611	611	611	612	612	612	612						17
MEANS TEN DAYS ✱				614	614	614	614	615	616	617	615	613	613	613	616	618	616	612	611	611	610	612	612	612	612	613	613	614						16
MEANS FIVE DAYS (G. M. T.) †				614	614	614	615	616	617	619	616	613	613	615	616	617	616	612	610	610	610	613 612	613 612	613	613	613	614	614						
MEANS FIVE DAYS (G. M. T.) ‡				613	613	614	615	615	616	618	619	618	615	614	613	612	612	610	609	608	611	612	611	611	611	612	612	613						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 209

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1926 — AUGUST 1926

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	616	616	616	617	618	617	617	617	615	615	615	615	613	609	609	606	608	611	611	613	614	616	616	614	614	1	3 54	618	15 58	605	13
2				614	615	615	615	615	616	616	614	610	610	610	610	608	605	607	614	614	614	612	613	614	614	614	614	613	0	6 15	617	13 30	604	13
3				616	616	617	617	617	617	618	620	617	614	611	610	609	608	607	610	611	612	613	613	614	615	615	616	614	1	7 34	621	14 06	605	16
4				616	616	616	617	617	617	618	617	619	618	618	620	616	611	607	609	614	615	614	614	614	615	615	616	615	0	11 45	621	14 35	606	15
5	✓			616	616	617	618	619	619	621	622	624	625	624	621	615	611	609	610	613	614	612	613	613	614	615	615	616	0	9 50	626	14 36	608	18
6	✓			615	615	616	616	617	617	617	619	619	622	626	632	632	627	622	621	616	613	613	614	614	614	615	615	619	0	11 40	633	17 45	611	22
7	✓	✓		615	615	616	616	617	617	617	615	611	610	610	610	606	609	613	616	616	615	615	614	614	615	615	616	614	0	16 00	618	12 22	605	13
8		✓		616	616	616	617	617	618	619	618	615	612	611	611	614	610	609	610	612	615	615	614	615	615	615	615	614	0	6 12	621	14 25	608	13
9			✓	616	616	616	617	620	620	620	620	618	617	619	616	614	614	610	610	611	611	612	612	612	615	617	618	615	1	4 03	621	14 55	609	12
10				618	618	619	621	621	622	622	624	▽										▽	614	615	615	616	616							
11	✓			616	617	617	618	619	620	623	626	625	621	618	616	606	596	599	610	617	616	615	613	614	614	615	615	615	0	7 50	627	13 32	594	33
12				615	615	615	616	616	619	621	617	614	609	611	617	619	613	612	613	614	616	614	613	613	616	614	616	615	1	6 02	623	9 20	608	15
13			✓	614	614	615	617	618	617	622	624	622	617	614	616	610	603	602	606	609	612	612	612	614	614	615	614	614	1	7 07	625	14 06	601	24
14				615	616	616	617	617	617	619	620	619	618	617	616	612	604	602	603	606	611	613	613	613	613	613	614	614	0	6 45	621	14 58	600	21
15				615	615	616	617	617	617	620	620	617	612	609	611	613	613	612	611	612	612	613	613	614	615	616	616	614	1	6 58	621	11 03	608	13
16				616	(618)	618	618	620	621	621	618	616	616	618	613	611	613	614	613	612	613	614	616	616	618	616	616	616	1	6 12	622	12 00	608	14
17			✓	616	616	616	618	618	621	623	621	620	619	621	626	626	626	618	613	611	611	613	614	613	614	615	615	618	1	11 40	628	17 00	609	19
18			✓	615	615	616	618	618	618	621	616	610	613	614	618	617	610	608	608	608	608	611	611	612	613	613	613	614	1	6 48	622	8 48	608	14
19				613	613	615	616	617	618	618	617	615	616	618	618	620	623	623	620	618	617	613	613	613	613	614	614	616	1	13 50	627	20 05	612	15
20				614	614	615	616	616	618	618	615	610	606	601	598	599	601	601	602	603	606	608	608	609	611	612	613	609	0	6 03	619	11 59	597	22
21	✓	✓		612	613	613	614	614	615	613	608	602	602	605	608	609	613	614	615	612	610	609	609	609	611	612	612	611	0	15 00	618	9 09	600	18
22	✓	✓		612	613	613	614	615	616	618	616	613	607	607	612	611	610	614	613	611	610	609	610	610	610	612	613	612	0	6 05	619	10 12	603	16
23	✓	✓		613	613	613	615	615	616	617	620	623	624	630	630	620	618	623	625	618	613	611	612	613	613	613	615	618	0	11 00	633	18 57	610	23
24				618	616	617	618	619	619	620	622	622	623	629	633	624	620	615	611	611	611	613	613	613	613	613	614	618	0	11 18	635	15 15	610	25
25				614	616	616	617	617	618	616	616	616	614	618	626	622	615	612	614	617	617	615	612	614	614	614	613	616	0	11 20	628	14 20	611	17
26				614	615	617	617	618	617	617	613	609	604	603	605	604	599	600	603	605	610	612	612	613	613	614	614	610	0	3 45	619	14 00	598	21
27	✓			614	614	614	616	617	619	622	623	624	624	623	619	617	611	609	614	613	613	613	612	612	614	614	614	616	0	9 12	625	14 06	608	17
28	✓			614	614	615	617	617	618	619	618	617	614	607	600	599	603	601	603	607	608	609	609	610	612	612	614	611	0	6 40	620	12 10	598	22
29	✓			614	614	614	614	615	617	617	616	617	620	623	624	625	627	625	617	613	614	614	614	614	614	614	614	617	0	13 42	629	20 15	612	17
30				615	616	616	617	617	619	619	618	618	619	620	617	615	616	614	614	614	614	614	614	615	615	615	617	616	0	9 36	622	17 30	613	9
31				618	618	619	620	620	620	620	619	618	617	618	619	617	615	613	610	610	612	613	614	615	615	616	618	616	0	5 57	620	15 55	608	12
MEANS ALL DAYS a)				615	615	616	617	617	618	619	618	617	615	616	616	614	612	611	611	612	612	612	613	613	614	614	614	615						a) 17
MEANS TEN DAYS ✱				614	614	615	616	616	617	618	618	618	617	617	617	614	612	613	614	614	613	612	612	612	613	614	614	615						20
MEANS FIVE DAYS † (G. M. T.)				614	614	614	615	616	616	617	615	613	611	613	614	612	612	615	616	614	613	611 612	611 612	611	612	613	614	614						
MEANS FIVE DAYS ‡ (G. M. T.)				615	615	616	617	618	619	621	620	617	616	617	618	616	612	609	609	609	611	612	614	614	616	615	615	615						

a) Thirty days only, omitting incomplete day August 10

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 210

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1926 — SEPTEMBER 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		619	619	619	620	620	620	620	620	619	618	621	627	628	627	625	623	620	617	616	616	617	618	619	620	620	0	12 15	629	18 55	615	14
2	✓			620	620	621	621	622	623	623	622	619	614	612	610	615	611	607	605	607	609	615	615	615	616	617	619	616	0	6 15	625	14 45	604	21
3	✓			619	619	619	619	619	619	617	612	609	604	598	599	610	617	618	615	614	615	615	616	616	616	616	616	614	0	5 50	620	11 00	595	25
4	✓	✓		617	617	617	619	619	619	616	613	611	610	610	614	614	611	610	610	610	611	613	614	614	615	615	615	614	0	5 15	620	10 10	609	11
5	✓	✓		616	616	616	617	618	619	618	613	610	608	609	612	615	614	613	613	610	610	613	613	614	615	615	615	614	0	6 05	620	10 10	607	13
6	✓			616	617	618	618	618	619	617	614	611	610	610	610	608	602	602	605	611	616	615	615	614	615	615	616	613	0	5 54	620	14 00	599	21
7				617	618	619	620	621	622	625	624	621	616	611	608	611	612	613	611	612	613	615	614	615	614	613	616	616	0	6 50	626	11 06	607	19
8				616	616	617	619	621	625	627	624	617	611	600	601	605	606	606	606	606	609	612	616	613	612	611	611	613	1	6 15	630	10 42	593	37
9			✓	613	616	617	618	620	621	627	630	626	620	615	613	614	615	610	605	605	606	611	612	612	614	612	612	615	1	7 10	632	16 38	603	29
10				614	616	616	617	618	621	625	628	628	626	622	626	628	621	612	609	608	611	614	615	614	615	615	617	618	1	12 00	630	16 00	606	24
11				617	616	617	618	620	621	622	623	621	619	618	621	623	623	621	617	616	616	617	616	617	617	617	617	619	0	13 06	625	16 45	614	11
12				617	617	618	619	620	621	620	621	624	626	625	626	626	626	621	614	611	614	617	616	616	617	618	618	620	0	12 02	627	16 25	608	19
13	✓			617	620	620	621	622	622	621	618	616	616	613	614	616	614	606	600	601	609	615	614	615	616	616	617	615	0	5 45	623	15 55	598	25
14			✓	619	619	621	622	622	623	624	625	625	627	625	623	619	616	612	609	608	612	617	617	617	617	618	619	619	1	9 20	630	15 58	606	24
15			✓	620	621	621	621	622	622	623	623	622	622	622	622	623	624	621	614	612	617	617	617	618	621	620	622	620	1	13 55	630	15 50	610	20
16				621	620	619	620	621	621	626	632	639	644	646	647	648	650	(644)	633	617	614	617	618	619	619	618	619	628	1	13 35	653	17 18	612	41
17				620	620	621	621	621	622	622	622	620	622	622	620	621	618	612	610	610	612	615	617	617	618	619	618	618	1	9 40	623	15 40	609	14
18				618	618	618	619	621	622	623	623	622	624	620	619	621	611	607	608	608	612	612	614	615	617	616	617	617	1	9 15	627	16 00	606	21
19				617	618	620	621	621	621	623	630	630	631	637	635	623	615	610	613	613	614	616	614	613	615	617	618	620	1	10 45	642	14 12	607	35
20			✓	619	620	619	622	621	621	622	625	624	624	622	614	614	613	618	622	618	612	613	616	613	615	618	618	618	1	9 50	628	12 35	611	17
21			✓	616	618	618	618	623	623	623	628	628	618	604	601	603	610	617	618	622	618	618	617	615	614	616	618	617	1	8 10	633	10 42	598	35
22				616	618	618	619	621	623	624	624	624	623	623	621	616	613	615	613	609	609	612	613	614	615	616	618	617	1	7 52	627	16 35	608	19
23				618	619	620	621	622	622	624	627	626	623	623	623	622	617	617	618	614	613	617	618	618	618	618	619	620	0	7 45	628	16 55	612	16
24				619	620	621	622	623	623	625	624	623	621	620	621	618	617	613	608	608	611	616	618	618	618	618	618	618	0	6 42	626	16 15	605	21
25				618	618	619	622	623	623	625	626	627	628	632	630	624	613	608	604	605	611	614	617	617	618	618	618	619	0	10 50	633	16 15	602	31
26				618	618	621	622	623	623	623	626	626	627	628	625	617	608	601	597	602	610	617	Δ						0	10 40	628	15 22	596	32
27																					Δ	[619]	621	619	620	620	621							
28	✓	✓		622	621	622	623	624	624	626	629	629	630	635	635	634	624	617	613	611	614	618	619	619	619	620	620	623	0	10 42	637	16 22	610	27
29	✓	✓		621	621	622	622	623	623	624	624	624	623	628	631	624	619	615	611	611	614	618	619	619	620	619	620	621	0	11 20	632	16 02	609	23
30	✓			622	623	623	623	624	623	619	617	616	614	616	(618	616)	613	607	606	608	612	616	617	619	619	619	619	617	0	5 22	625	15 05	604	21
31																																		
MEANS ALL DAYS[a]				618	619	619	620	621	622	623	623	622	620	619	619	619	617	614	612	611	613	615	616	616	617	617	618	618						[a] 23
MEANS TEN DAYS ✻				619	619	620	620	621	621	620	618	616	615	615	617	618	615	612	610	610	613	615	616	616	617	617	618	617						20
MEANS FIVE DAYS † (G. M. T.)				619	619	619	620	621	621	621	620	619	618	621	624	623	619	616	614	612	613	616 616	617 616	617	617	617	618	618						
MEANS FIVE DAYS ‡ (G. M. T.)				617	619	619	620	622	622	624	626	625	622	618	615	615	616	616	614	613	613	615	615	614	615	616	617	618						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

[a] Twenty-eight days only, omitting incomplete days September 26 and 27

TABLE 211

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

OCTOBER 1926

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		619	620	621	623	623	623	624	626	625	623	625	625	627	625	620	616	614	616	619	620	619	620	620	620	621	0	12 24	628	16 15	613	15
2				622	622	622	623	623	623	623	620	617	612	612	614	617	618	612	612	610	614	618	620	619	619	618	618	618	0	5 03	624	16 54	609	15
3				620	621	621	623	623	623	620	618	614	613	614	618	618	619	619	615	614	618	620	620	620	619	619	619	619	1	4 31	624	9 42	609	15
4				620	620	622	624	623	623	622	621	620	619	620	620	620	621	623	621	618	619	621	621	621	621	621	621	621	0	4 09	625	16 18	617	8
5	✓			621	621	622	623	624	625	624	625	625	623	624	626	628	629	624	618	614	617	620	620	620	621	621	621	622	0	13 12	631	16 33	613	18
6	✓			621	622	623	623	624	625	624	620	616	612	608	611	614	617	618	618	619	619	619	618	618	617	617	616	618	0	5 33	626	10 57	608	18
7				618	618	619	621	623	624	624	626	622	618	616	612	615	615	612	610	611	614	617	617	617	618	618	619	618	0	7 24	627	15 50	609	18
8				620	620	621	622	622	622	622	624	627	627	628	625	626	627	621	614	611	613	616	616	617	617	619	619	621	0	10 18	629	16 33	610	19
9	✓			619	620	621	622	623	624	626	630	633	634	632	619	611	611	609	610	611	612	616	617	617	617	618	619	620	0	9 59	634	14 16	608	26
10	✓	✓		619	620	623	624	624	625	628	633	634	634	636	634	627	625	618	613	613	614	618	618	618	619	619	621	623	0	11 06	638	15 40	611	27
11				621	621	623	625	625	625	627	630	632	632	633	627	617	614	610	(604)	604	613	618	621	621	621	620	622	621	1	9 34	635	16 18	600	35
12	✓			622	625	625	625	627	627	631	637	639	639	641	643	638	631	620	614	615	617	617	618	620	621	621	621	626	1	11 34	644	15 45	612	32
13				622	622	623	625	626	628	635	646	645	(643)	639	635	628	620	618	608	607	615	621	617	617	624	622	622	625	1	7 58	647	16 15	604	43
14			✓	623	625	625	625	627	627	626	627	627	627	629	628	621	621	(617)	613	608	611	616	615	618	618	624	628	622	1	10 43	630	16 41	606	24
15			✓	627	624	628	625	625	628	628	627	625	623	618	616	609	605	609	608	615	618	618	622	621	625	628	626	621	2	9 12	635	13 32	595	40
16			✓	627	627	628	628	628	629	631	633	631	631	633	631	628	625	621	615	615	618	621	624	624	624	624	625	626	1	10 44	634	16 02	614	20
17				625	625	626	627	628	628	627	625	624	625	628	627	624	624	623	619	618	621	624	625	626	626	626	626	625	0	10 24	631	16 36	617	14
18				627	628	628	629	630	630	629	629	629	630	632	632	632	633	631	629	627	626	626	627	627	629	629	629	629	0	13 04	634	16 54	625	9
19			✓	627	629	629	629	630	632	632	632	633	(628	624	621)	615	624	627	620	617	615	618	620	620	622	625	626	625	1	8 47	635	12 30	611	24
20				627	627	628	629	629	629	629	627	625	628	631	637	638	635	630	628	626	625	625	625	625	626	626	626	628	0	11 57	641	8 25	622	19
21	✓	✓		626	629	629	629	630	632	632	632	630	635	636	636	636	632	625	(622)	611	614	618	623	623	623	623	623	627	0	11 40	638	[15 56	605	33]
22	✓	✓		623	624	625	629	630	630	630	630	629	626	627	624	623	623	(619	618	616)	624	625	625	622	620	620	620	624	0	5 45	631	[16 —	614	17]
23	✓	✓		620	620	621	625	625	626	623	620	616	617	618	616	613	611	606	602	603	612	616	620	619	619	620	619	617	0	5 27	627	15 15	600	27
24				619	620	621	622	624	624	620	619	618	622	621	623	622	617	609	604	604	612	618	616	613	612	613	613	617	0	5 03	625	15 10	601	24
25			✓	614	613	615	618	619	621	624	624	620	616	614	612	618	611	598	595	(602)	611	615	617	616	616	618	618	614	1	6 50	629	15 10	591	38
26				619	619	619	621	623	623	626	633	641	647	648	646	644	643	636	620	613	612	616	619	618	619	619	618	627	0	9 45	649	16 35	611	38
27				618	619	621	623	623	624	619	618	626	636	638	636	629	626	618	611	609	612	617	617	617	617	618	618	621	0	10 10	640	15 35	606	34
28				617	617	621	624	625	625	626	627	632	641	646	637	630	617	608	599	602	610	619	619	618	618	618	618	621	0	10 06	648	15 45	597	51
29				617	618	619	620	622	621	618	619	621	628	629	627	627	621	615	610	611	612	617	618	619	619	619	619	619	0	9 52	633	15 15	609	24
30	✓			622	624	624	624	624	624	625	627	632	636	637	629	626	621	615	608	605	610	616	618	619	619	620	620	622	0	10 16	640	16 10	604	36
31				618	620	621	622	624	623	617	615	615	619	618	613	609	607	608	602	602	610	615	616	616	615	616	616	615	0	5 18	625	15 40	600	25
MEANS ALL DAYS				621	622	623	624	625	626	626	626	627	627	628	626	624	622	617	613	612	615	619	620	620	620	621	621	622						25
MEANS TEN DAYS ✲				621	622	623	625	625	626	627	628	628	628	628	626	624	622	617	614	612	616	618	620	620	620	620	620	622						25
MEANS FIVE DAYS † (G. M. T.)				621	623	624	626	626	627	627	628	627	627	628	627	625	623	618	614	611	616	620 619	621 621	621	621	621	621	623						
MEANS FIVE DAYS ‡ (G. M. T.)				624	624	625	625	626	627	628	629	627	625	624	622	618	617	614	610	611	615	618	619	619	622	623	624	621						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 212

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1926 — NOVEMBER 1926

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	617	619	621	623	624	622	619	616	612	614	622	624	618	612	606	599	604	613	619	622	620	618	617	619	617	0	4 50	625	15 20	597	28
2				622	622	623	627	623	621	619	624	628	630	631	630	627	627	626	619	614	618	618	622	621	621	623	623	623	0	10 33	632	16 10	612	18
3			✓	623	623	623	624	624	622	624	625	628	630	626	625	624	622	619	607	610	611	618	617	617	617	618	617	621	0	9 25	632	15 30	604	28
4	✓			615	617	619	621	622	622	624	630	634	636	634	630	618	612	607	602	603	605	611	617	617	618	618	617	619	0	9 05	638	15 30	601	37
5				616	617	620	622	623	620	618	618	619	618	622	627	631	630	622	614	612	612	616	619	618	618	616	617	619	0	13 00	635	15 40	611	24
6				615	621	622	621	622	620	618	619	621	617	620	620	611	607	606	610	611	614	617	618	618	619	620	621	617	1	4 50	623	13 20	605	18
7	✓	✓		621	621	623	623	624	625	626	633	639	644	647	646	643	638	623	613	610	609	614	617	618	617	616	616	625	0	11 10	650	16 40	608	42
8	✓	✓		619	620	622	623	624	622	623	624	626	626	625	623	613	609	603	598	603	611	616	617	616	616	616	618	617	0	9 14	627	15 30	596	31
9				618	618	620	622	622	622	616	616	620	626	634	645	645	639	632	623	618	616	616	620	619	619	621	619	624	0	11 45	647	17 55	615	32
10	✓			619	621	621	622	622	622	623	625	626	627	628	629	634	639	632	618	613	616	618	621	621	622	622	621	623	0	13 40	641	16 20	611	30
11				620	618	618	620	622	622	625	630	632	634	633	636	640	635	627	620	618	614	612	616	616	616	616	616	623	1	12 50	642	18 05	609	33
12				618	619	618	622	623	622	623	629	636	634	633	633	629	627	624	614	610	609	613	617	616	617	618	618	622	1	8 10	637	16 42	607	30
13	✓			618	619	620	620	620	621	621	625	628	630	633	631	625	620	615	607	608	610	615	619	618	616	617	616	620	0	11 10	634	15 50	605	29
14	✓	✓		616	618	618	619	620	619	619	626	629	626	625	629	623	616	611	603	601	606	612	614	615	617	617	615	617	0	8 35	630	15 50	597	33
15	✓	✓		618	620	620	620	620	620	621	627	629	630	629	631	631	628	625	620	614	612	616	620	620	619	619	619	622	0	12 20	634	17 10	608	26
16	✓	✓		619	619	620	620	620	617	615	617	621	625	623	620	624	619	615	615	617	619	619	621	620	621	621	621	620	0	9 10	626	14 42	612	14
17				621	621	621	622	622	621	623	627	635	636	(636)	635	624	620	611	607	608	613	619	620	620	618	620	620	622	0	10 00	638	15 40	605	33
18				621	622	622	621	621	621	624	631	634	639	635	627	621	623	623	618	615	616	621	621	621	621	621	621	623	0	9 28	640	16 20	614	26
19				621	621	621	623	624	620	618	619	622	625	632	636	633	636	(628)	622	620	619	621	622	622	621	621	622	624	1	13 45	638	16 33	619	19
20				622	622	623	623	624	620	620	623	627	630	633	632	631	631	624	618	616	616	620	621	620	620	620	621	623	0	10 25	634	16 35	615	19
21			✓	621	621	623	624	625	624	622	626	628	631	641	640	635	628	620	615	613	614	616	617	616	617	617	618	623	1	10 45	643	16 33	611	32
22				620	622	622	622	624	624	627	630	630	628	624	619	607	601	601	604	608	611	614	618	618	619	619	619	618	0	6 57	631	13 00	600	31
23				619	621	623	624	625	626	631	638	639	635	631	630	620	612	617	619	616	616	616	618	615	615	615	616	622	0	8 12	641	13 30	611	30
24				618	620	623	622	623	622	623	633	638	639	645	641	627	615	609	607	607	608	615	618	618	618	618	618	622	0	10 53	646	17 15	606	40
25	✓			618	618	619	620	(621	620	623)	631	639	640	646	651	644	636	623	615	(612)	610	615	619	620	619	619	620	625	0	11 21	652	17 33	609	43
26				619	619	620	623	622	624	624	630	635	(641	644)	642	633	622	615	610	605	608	616	620	620	620	619	619	623	0	[10 —	645]	16 36	604	[41]
27	✓			619	618	619	621	622	620	617	614	615	617	620	624	619	619	613	611	612	612	616	620	620	620	620	620	618	0	11 35	625	15 22	609	16
28			✓	620	620	621	622	624	622	622	628	627	622	619	611	603	600	600	603	605	609	613	613	614	615	614	614	615	1	7 31	630	12 52	598	32
29			✓	613	612	613	615	619	620	627	636	636	638	636	629	617	612	603	592	590	602	609	615	614	616	616	618	617	1	9 41	644	16 04	588	56
30				619	620	620	622	622	622	624	634	643	648	647	649	642	636	629	622	614	612	613	617	617	617	618	618	626	1	11 47	650	16 50	611	39
31																																		
MEANS ALL DAYS				619	620	621	622	622	621	622	626	629	631	632	631	626	622	617	611	610	612	616	619	618	618	618	619	621						30
MEANS TEN DAYS *				618	619	620	621	622	621	621	625	629	630	631	631	627	624	617	610	609	611	615	618	618	618	618	618	621						30
MEANS FIVE DAYS (G. M. T.) †				619	620	621	621	622	621	621	625	629	630	630	630	627	622	615	610	609	611	615 615	618 618	618	618	618	617	620						
MEANS FIVE DAYS (G. M. T.) ‡				619	619	620	622	623	622	623	626	626	627	629	626	619	615	610	603	604	610	615	618	618	618	619	619	619						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 213

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1926 — DECEMBER 1926

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				620	620	621	621	621	619	621	628	637	641	643	639	626	618	612	607	609	612	618	620	619	618	619	620	622	0	9 44	644	15 45	606	38
2				619	619	621	621	621	621	624	628	629	625	630	633	625	613	606	606	607	613	618	620	617	618	619	617	620	0	11 14	636	16 14	605	31
3				617	617	618	620	622	622	622	625	627	626	620	619	617	610	608	608	602	607	614	616	616	614	612	613	616	0	8 50	629	16 36	601	28
4				614	616	619	620	620	620	623	627	626	622	620	617	613	□							□	615	617	618		0	7 15	628			
5	✓			622	623	623	623	622	621	624	628	628	624	623	625	613	605	608	606	611	615	618	621	620	620	621	623	619	0	8 00	630	13 12	602	28
6	✓	✓		624	624	624	625	625	622	621	622	623	621	626	628	625	623	626	632	630	625	624	624	623	625	623	623	624	0	15 57	633	9 40	620	13
7				621	621	623	625	626	623	627	637	641	636	632	628	628	623	619	616	616	619	622	623	622	622	622	622	625	0	7 57	642	15 14	615	27
8	✓	✓		623	625	625	626	627	626	630	638	637	630	626	622	617	617	617	618	615	614	617	622	622	622	622	623	623	0	7 21	639	17 10	613	26
9	✓	✓		623	625	625	626	628	628	629	633	630	620	618	616	612	610	606	611	615	620	622	623	623	623	623	623	621	0	7 25	635	14 26	605	30
10				624	624	625	626	626	627	627	628	631	635	639	633	615	609	606	607	611	615	621	623	624	625	624	624	623	1	10 56	643	14 54	604	39
11				623	623	624	624	625	623	631	643	651	650	653	640	626	614	608	607	607	614	621	624	623	623	623	624	626	1	10 33	655	16 03	605	50
12				624	623	624	625	626	623	628	(634	640	644)	646	639	624	614	607	608	606	613	620	624	622	623	623	623	624	0	9 58	648	14 31	606	42
13	✓			622	622	623	624	627	626	630	637	637	638	641	639	627	620	614	608	606	611	618	624	625	625	626	626	625	0	11 19	643	16 40	605	38
14	✓	✓		625	624	625	624	625	625	627	637	644	642	647	647	636	630	(622	616	613	615	619)	623	623	625	626	626	628	0	11 16	653	[16 —	612	41]
15				627	⊼															⊼	611	617	622	624	622	625	625		0					
16			✓	625	626	626	626	626	624	625	629	627	626	625	620	615	616	616	608	606	612	617	621	622	623	623	624	621	0	7 01	630	16 06	604	26
17				623	624	623	625	626	624	624	623	622	621	623	629	630	(625)	615	612	605	604	612	616	618	618	619	620	620	1	12 20	631	16 51	601	30
18				621	622	623	626	626	622	624	628	629	(627)	625	623	622	623	614	609	611	614	615	619	621	622	622	621	621	0	8 10	631	15 04	606	25
19	✓	✓		622	623	625	626	627	626	628	632	637	641	648	651	649	637	626	623	620	617	617	622	623	623	622	623	629	0	11 38	653	17 55	616	37
20			✓	622	623	626	627	627	626	630	634	628	622	622	617	614	617	611	612	607	609	610	616	618	618	618	620	620	0	7 35	635	16 30	605	30
21				621	622	625	626	627	628	631	639	638	636	635	637	633	636	630	617	617	619	620	623	622	623	624	624	627	0	7 42	640	15 58	614	26
22	✓			625	625	626	627	629	629	631	635	636	639	647	654	653	641	627	617	612	613	618	622	624	624	624	625	629	0	11 56	657	16 27	610	47
23			✓	625	624	625	625	624	625	626	637	639	640	635	632	632	621	611	612	611	612	619	622	621	622	625	623	624	1	9 24	644	14 23	610	34
24				624	625	625	626	625	626	634	646	649	645	637	634	632	622	611	615	617	616	617	621	622	623	624	624	627	0	8 09	650	14 37	610	40
25	✓			623	622	625	625	627	629	633	640	640	636	632	627	615	610	605	605	611	616	620	625	625	625	625	624	624	0	7 39	643	14 21	604	39
26	✓			624	625	627	628	628	626	633	646	651	653	655	649	633	616	612	610	609	615	620	624	624	626	625	622	628	0	10 39	657	16 48	608	49
27				622	622	623	625	627	630	631	639	643	640	628	624	614	612	609	612	616	619	621	626	626	627	626	629	625	0	7 58	644	14 13	608	36
28			✓	629	629	631	632	632	631	634	643	645	645	646	648	644	627	619	615	619	619	622	625	626	626	626	626	631	1	11 35	649	15 01	613	36
29			✓	626	627	628	629	629	631	633	644	648	653	652	648	641	627	621	615	618	624	628	629	631	632	631	631	632	1	10 14	655	15 33	614	41
30				629	629	629	630	633	632	634	643	646	650	655	657	637	(613)	600	596	600	612	623	629	629	629	629	629	629	0	11 02	661	15 27	594	67
31				628	629	627	627	630	630	626	628	632	638	642	635	622	613	614	617	621	626	627	628	627	629	630	631	627	1	10 28	645	13 46	612	33
MEANS ALL DAYS a)				623	624	625	626	626	626	628	635	637	636	636	634	627	619	614	612	612	615	619	623	623	623	623	624	625						35 a)
MEANS TEN DAYS ✻				623	624	625	625	626	626	629	635	636	634	636	636	628	621	616	615	614	616	619	623	623	624	624	624	625						35
MEANS FIVE DAYS † (G. M. T.)				623	624	625	625	626	625	627	632	634	631	633	633	628	623	619	620	619	618	618 620	622 623	622	622	623	623	625						
MEANS FIVE DAYS ‡ (G. M. T.)				625	626	627	628	628	627	630	637	637	637	636	633	629	622	616	612	612	615	619	623	625	624	625	626	626						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 4 and 15

TABLE 214

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1927 — JANUARY 1927

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	522	522	521	519	512	505	500	515	543	559	564	565	549	540	530	514	502	512	515	529	530	531	527	527	527	1	11 03	574	16 24	495	79
2				522	519	518	519	521	513	501	514	538	552	555	564	557	535	524	514	512	509	513	520	522	523	522	521	525	0	11 44	570	6 16	497	73
3	✓			521	520	519	519	517	510	500	514	540	574	600	601	580	554	534	527	521	518	519	523	522	523	524	524	534	0	11 00	605	6 27	497	108
4			✓	518	516	516	517	519	517	512	521	532	533	544	557	557	538	515	510	502	518	527	535	539	535	535	529	527	1	11 53	562	16 05	487	75
5				528	523	519	520	520	512	504	517	525	530	534	552	552	548	534	522	511	520	521	523	525	527	529	529	526	1	11 39	565	6 13	499	66
6				528	527	524	523	523	513	510	521	535	537	544	551	551	541	537	534	527	529	528	527	525	522	520	517	529	1	11 38	565	5 58	506	59
7			✓	516	515	514	511	510	502	487	508	514	543	572	589	592	592	574	552	523	517	527	534	540	535	538	540	535	1	13 10	603	6 10	483	120
8	✓			539	535	531	524	522	521	523	542	555	567	580	581	572	554	530	508	503	511	515	523	527	529	529	527	535	0	10 48	585	15 50	500	85
9		✓		527	527	524	521	521	513	505	521	544	560	585	594	586	572	550	514	500	501	510	521	524	▽				0	11 10	600	17 06	497	103
10		✓								▽	514	529	551	570	579	571	560	530	510	522	524	521	529	533	531	528	523		0	11 39	581			
11				520	515	515	516	520	514	503	513	539	550	562	580	572	545	525	514	515	519	520	525	529	530	530	530	529	0	11 37	591	6 39	500	91
12				529	522	523	523	519	514	507	525	555	582	582	596	586	555	535	523	519	517	511	521	527	533	531	526	536	0	12 00	600	6 22	504	96
13				523	521	521	515	511	510	502	526	544	552	580	590	562	538	520	507	510	515	521	523	524	525	524	524	529	0	10 28	592	6 25	497	95
14				520	522	519	518	515	505	492	505	520	530	541	562	(544)	525	515	510	505	523	523	527	531	531	529	524	522	0	[11 45	569]	6 24	489	[80]
15				520	517	515	514	513	505	501	513	(531)	537	555	567	553	543	541	528	524	518	516	520	523	523	524	531	526	1	11 24	574	6 16	496	78
16				519	518	516	512	511	504	495	511	532	544	575	590	575	557	525	512	512	522	521	524	525	523	522	521	528	0	11 12	595	6 33	492	103
17				514	510	508	513	509	500	490	503	524	533	543	554	544	(532)	517	521	517	518	520	525	529	525	524	520	521	1	11 17	560	6 22	483	77
18	✓			515	512	509	511	513	511	499	513	541	560	581	592	575	558	539	523	513	510	511	521	523	522	522	523	529	0	11 30	595	6 21	494	101
19	✓			519	514	511	504	515	505	490	500	518	548	569	589	584	559	541	527	513	515	515	521	524	524	522	521	527	0	11 51	602	6 38	488	114
20	✓			518	517	515	514	515	513	502	520	543	551	560	561	560	556	546	524	511	508	507	516	520	520	520	519	526	0	10 28	564	6 15	499	65
21		✓		516	514	515	515	517	512	502	△																		0			6 47	501	
22		✓								△	520	534	542	559	569	571	562	555	544	527	517	513	518	522	523	522	519		0	12 15	576			
23	✓	✓		514	515	516	517	519	515	495	492	505	529	552	566	572	574	564	542	524	520	515	519	521	521	521	518	527	0	14 50	575	7 05	489	86
24			✓	514	511	505	502	504	502	497	503	516	539	538	555	567	572	572	553	537	529	523	529	532	527	523	515	528	1	13 58	581	6 29	494	87
25			✓	514	505	495	501	507	509	500	502	514	537	552	557	565	559	542	525	512	516	516	519	525	528	523	515	522	0	12 48	569	2 55	490	79
26				512	511	515	520	520	521	515	515	535	543	551	552	559	558	550	541	531	518	520	531	532	529	528	523	530	1	12 53	570	1 15	507	63
27	✓			520	520	517	516	515	514	506	514	526	533	541	555	572	572	563	542	520	514	515	519	522	522	522	522	528	0	13 05	575	6 24	503	72
28	✓			519	515	514	514	513	511	503	511	520	529	540	552	562	553	540	526	506	504	508	515	521	522	522	522	523	0	12 48	564	6 27	500	64
29	✓			522	520	519	518	519	514	501	504	515	529	531	527	532	544	552	540	527	522	520	521	522	522	522	522	524	0	14 34	559	6 30	497	62
30				[522]	▽						▽	520	530	539	540	545	563	571	554	530	517	510	519	522	522	524	524		0	14 24	575			
31	✓			520	515	512	513	517	513	505	519	535	538	545	553	556	563	565	545	525	521	515	517	520	519	519	519	528	0	14 28	571	6 30	504	67
MEANS ALL DAYS a)				520	518	516	515	515	510	502	513	531	545	557	568	563	552	540	526	516	517	518	523	526	526	525	523	528						82 a)
MEANS TEN DAYS ✻				521	518	516	515	516	513	502	513	530	546	560	568	566	559	547	530	516	514	514	520	522	522	522	522	528						82
MEANS TWO DAYS b) † (G. M. T.)				520	521	520	519	520	514	500	506	524	544	568	580	579	573	557	528	512	510	514 512	520 520	524	526	526	524	530						
MEANS FIVE DAYS ‡ (G. M. T.)				517	514	510	510	510	507	499	510	524	542	554	565	566	560	547	531	515	518	522	524	525	524	523	520	527						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = TWO INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-six days only, omitting incomplete days January 9, 10, 21, 22 and 30

b) Omitting incomplete Greenwich days January 10, 21 and 22

TABLE 215

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1927

FEBRUARY 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				516	515	513	512	512	507	505	518	531	533	540	552	559	562	553	535	515	511	514	518	521	522	523	522	525	0	13 25	568	6 18	501	67
2	✓			519	517	515	513	512	510	500	505	522	530	533	542	553	560	552	542	531	523	517	521	520	518	519	520	525	0	13 12	565	6 44	495	70
3				520	521	517	517	515	510	501	514	527	527	537	545	542	532	521	522	519	515	518	525	529	524	522	523	523	0	11 40	552	6 25	497	55
4				522	520	521	520	520	512	500	501	512	524	542	553	543	536	532	534	527	521	515	521	523	524	523	523	524	0	11 33	558	6 54	496	62
5				522	518	514	514	516	514	495	496	512	(522)	535	541	551	557	540	524	520	520	517	518	520	521	521	520	522	0	13 18	564	6 54	491	73
6	✓	✓		518	518	519	518	519	517	505	508	518	528	542	565	578	572	547	534	529	521	513	517	520	519	519	518	528	0	12 42	581	6 46	501	80
7	✓	✓		519	515	511	513	515	513	504	505	520	528	536	542	547	547	550	546	523	513	508	511	518	519	518	517	522	0	15 08	557	6 55	499	58
8				514	511	509	508	510	512	500	499	510	520	527	534	544	556	566	557	539	529	520	519	524	525	521	521	524	0	14 47	571	7 07	494	77
9			✓	519	518	517	516	517	521	522	527	537	541	544	544	554	548	549	549	528	523	523	521	534	530	528	529	531	1	12 02	569	3 04	514	55
10			✓	528	528	527	519	520	526	521	526	533	537	545	556	556	566	565	555	541	531	520	518	519	519	519	516	533	1	14 14	571	3 42	514	57
11				513	511	511	511	511	510	501	495	493	495	507	516	515	517	516	518	515	507	505	511	516	519	521	521	511	0	11 07	521	9 20	491	30
12				521	516	512	510	511	506	494	486	498	514	525	540	550	568	558	543	537	529	520	521	524	523	520	517	523	1	13 45	579	7 34	483	96
13				513	511	508	507	507	501	490	493	504	519	530	534	539	536	529	517	506	505	510	516	521	519	521	520	515	1	12 45	550	6 42	487	63
14	✓			516	510	511	511	513	509	497	493	502	513	520	524	528	533	(530)	522	518	518	513	515	516	517	516	515	515	0	[13 27	535]	7 08	491	[44]
15	✓			511	508	508	510	511	509	497	496	505	512	517	512	516	524	531	529	520	514	513	513	515	517	515	511	513	0	14 31	537	6 50	489	48
16				507	504	506	509	509	511	498	494	503	510	523	531	546	555	551	539	527	521	517	518	520	520	516	514	519	1	13 54	564	6 45	488	76
17				510	511	512	513	516	511	494	480	482	491	496	507	508	521	527	519	508	509	511	514	518	518	517	515	509	0	14 40	530	8 00	476	54
18				514	511	510	511	515	517	511	513	519	527	534	545	552	553	553	551	531	516	508	512	517	517	514	511	523	0	15 13	558	18 55	507	51
19				511	511	510	509	509	510	500	494	497	507	510	520	526	533	539	531	521	513	510	512	514	515	516	511	514	0	14 40	544	7 16	489	55
20	✓			512	512	511	511	514	510	498	496	497	508	518	520	531	545	551	542	528	517	510	513	515	516	515	513	517	0	14 18	555	7 24	492	63
21	✓	✓		511	511	511	514	516	515	508	506	507	509	513	516	514	516	519	519	508	507	507	510	514	513	512	511	512	0	15 18	522	7 15	504	18
22	✓	✓		510	511	511	511	514	512	501	500	501	499	506	514	525	533	540	536	523	521	506	508	511	513	513	512	514	0	14 54	543	7 00	497	46
23	✓	✓		510	510	510	510	515	513	501	497	497	496	500	511	519	528	531	530	526	519	510	511	515	516	516	516	513	0	14 45	535	9 39	495	40
24			✓	513	509	507	502	507	510	502	497	498	498	501	526	533	547	553	546	536	526	525	530	528	525	520	517	519	1	13 51	559	10 33	492	67
25			✓	519	520	517	513	518	520	504	491	488	484	491	506	527	547	558	554	539	524	511	512	520	517	514	518	517	0	14 47	561	9 13	481	80
26	✓			518	518	517	520	521	523	509	496	496	500	518	530	550	565	564	554	538	520	509	511	517	516	515	511	522	0	13 39	568	7 33	492	76
27				509	507	508	510	515	510	487	466	456	455	459	484	517	541	559	560	548	529	514	514	516	516	515	512	509	0	15 37	566	8 29	450	116
28			✓	511	512	510	509	512	516	511	508	507	512	521	530	533	541	549	541	537	527	517	519	520	517	513	514	520	0	14 17	551	8 55	505	46
29																																		
30																																		
31																																		
MEANS ALL DAYS				515	514	513	512	514	513	502	500	506	512	520	530	538	544	544	537	526	519	514	516	519	519	518	517	519						62
MEANS TEN DAYS *				514	513	512	513	515	513	502	500	506	512	520	528	536	542	542	535	524	517	511	513	516	516	516	514	518						54
MEANS FIVE DAYS (G. M. T.) †				514	513	512	513	516	514	504	503	509	512	519	530	537	539	537	533	522	516	511 509	513 511	516	516	516	515	518						
MEANS FIVE DAYS (G. M. T.) ‡				518	517	516	512	515	519	512	510	513	514	520	532	541	550	555	549	536	526	519	519	523	522	520	519	524						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 216

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1927 — MARCH 1927

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				516	515	516	524	525	523	521	523	528	522	538	558	563	578	584	577	556	533	515	513	517	515	512	512	533	1	14 45	587	22 36	510	77
2	✓	✓		512	512	512	512	515	515	508	508	509	513	509	510	522	532	538	540	533	520	510	514	513	513	512	512	516	0	15 24	543	7 07	506	37
3	✓			510	511	511	514	518	521	515	511	516	530	547	561	566	569	562	545	530	518	512	515	514	513	512	511	526	0	13 30	571	0 29	507	64
4	✓			508	508	508	510	514	516	507	505	509	514	523	532	543	547	537	525	517	509	507	511	513	514	514	512	517	0	13 10	548	7 06	501	47
5	✓			513	511	509	509	513	513	497	487	492	491	499	508	515	527	528	520	517	515	515	522	520	516	514	513	511	0	14 19	532	7 38	483	49
6	✓			512	511	509	512	515	515	504	498	495	501	512	526	542	556	560	544	531	523	513	514	518	518	516	511	519	0	14 22	563	8 39	492	71
7	✓			509	507	508	509	513	514	505	495	492	492	495	502	511	517	518	514	510	515	514	518	518	517	517	514	509	0	13 18	520	8 48	490	30
8				514	511	509	509	511	513	509	507	513	518	520	522	521	522	524	520	515	510	506	511	517	517	518	519	515	0	14 20	526	18 54	504	22
9			✓	512	511	503	514	514	512	496	491	504	527	540	566	565	561	553	548	538	530	529	522	522	523	523	524	526	1	12 29	574	6 34	487	87
10				523	517	515	512	503	498	487	486	495	512	526	537	544	547	541	527	512	513	513	514	515	513	515	515	516	1	13 30	548	7 10	482	66
11				516	514	508	508	513	512	501	498	502	513	521	531	539	535	527	520	520	517	512	515	517	514	511	511	516	0	12 42	547	7 12	494	53
12				505	502	503	509	512	507	499	500	512	523	527	533	536	537	534	531	521	514	508	513	515	515	514	514	516	0	14 07	540	6 48	497	43
13				509	508	504	505	508	506	496	492	487	493	496	504	516	527	530	528	525	518	516	514	514	515	515	513	510	0	16 18	535	8 40	485	50
14				509	507	510	512	512	511	500	492	494	500	493	498	510	512	516	508	510	516	518	523	518	518	515	509	509	1	19 06	525	10 36	483	42
15				505	506	506	506	503	511	512	504	500	501	503	513	514	(512	514	520)	518	515	517	515	516	517	505	505	510	1	[15 45	521]	8 54	495	[26]
16			✓	507	509	517	517	530	529	523	519	518	527	543	545	548	533	535	532	523	518	520	524	519	520	518	515	525	1	12 46	566	0 01	501	65
17			✓	516	515	511	515	517	521	512	515	522	527	528	538	548	547	552	544	540	525	527	526	519	519	518	516	526	1	14 39	558	2 28	508	50
18				514	514	512	512	515	509	500	498	504	513	523	532	538	540	539	527	514	510	510	510	512	515	514	510	516	1	12 23	548	7 15	493	55
19				510	512	512	513	513	510	495	482	478	477	489	500	512	518	517	516	513	507	508	512	515	515	515	514	506	0	15 08	520	9 30	474	46
20				514	512	511	515	512	503	502	501	509	508	515	527	534	530	530	521	516	509	508	512	514	515	515	513	514	0	12 19	540	6 40	498	42
21	✓			512	513	511	511	512	512	506	498	498	502	512	525	532	530	533	531	522	514	509	512	513	513	512	510	514	0	14 40	536	8 43	497	39
22		✓		509	508	509	510	510	513	508	508	517	531	540	547	545	534	□			□	[513]	509	510	512	510	507		0	11 47	549	6 45	507	42
23	✓	✓		508	505	506	508	512	514	512	514	517	525	536	540	547	545	538	530	520	513	506	507	508	510	510	508	518	0	12 42	548	1 36	504	44
24	✓	✓		506	506	507	509	512	512	506	505	508	513	526	535	543	549	545	535	522	514	509	508	508	509	509	507	517	0	13 33	550	7 06	503	47
25	✓	✓		506	506	506	508	509	509	498	488	477	467	469	476	492	509	517	516	516	512	506	504	508	512	508	510	501	0	14 35	519	9 25	466	53
26				510	512	511	504	508	511	506	498	490	502	505	522	541	552	545	540	529	518	510	512	512	513	514	514	516	1	13 51	554	8 58	485	69
27			✓	514	514	516	516	517	516	510	503	508	516	522	524	546	561	553	536	530	519	512	518	515	510	508	510	521	1	13 21	567	7 52	500	67
28			✓	508	510	516	518	518	522	527	526	518	527	524	528	538	536	530	522	516	502	501	504	503	508	513	514	518	1	12 54	539	18 20	498	41
29				509	510	512	514	514	515	512	508	508	510	512	512	518	512	508	510	510	508	504	504	507	509	509	508	510	0	12 18	519	8 53	499	20
30				510	510	512	514	517	518	516	514	512	514	514	521	535	534	532	534	530	524	513	509	509	510	512	510	518	0	12 31	540	19 45	507	33
31				506	507	508	510	512	512	508	500	496	494	498	509	526	520	514	510	509	508	506	507	507	508	508	502	508	0	12 33	530	9 32	490	40
MEANS ALL DAYS a)				511	510	510	512	514	513	506	502	504	509	515	524	533	536	535	529	522	516	512	513	514	514	513	512	516						51 a)
MEANS TEN DAYS ✻				510	509	509	510	513	514	506	501	501	505	513	522	531	538	538	530	522	515	510	512	513	514	512	511	515						48
MEANS FOUR DAYS (G. M. T.) b) †				508	507	508	509	512	512	506	504	503	504	510	515	526	534	534	530	523	515	511 508	509 508	511	512	510	508	513						
MEANS FIVE DAYS (G. M. T.) ‡				511	512	513	516	519	520	514	511	514	525	531	540	549	548	545	536	529	519	518	516	516	515	513	513	523						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day March 22 b) Omitting incomplete Greenwich day March 22

TABLE 217

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				503	502	508	513	518	519	519	519	521	519	503	501	516	519	511	508	510	510	510	511	508	507	506	506	511	0	8 31	524	11 01	496	28
2				509	509	510	512	514	515	507	503	508	514	526	539	561	557	540	527	519	509	501	505	508	510	510	508	518	0	12 30	566	18 32	500	66
3	✓			507	509	510	509	510	508	504	501	498	500	501	508	520	529	524	517	513	512	511	507	506	507	508	505	509	0	13 16	531	8 29	497	34
4				505	506	506	508	510	512	515	509	506	504	510	533	548	546	540	527	515	509	509	508	508	510	508	510	515	1	13 05	553	9 28	500	53
5				512	513	515	515	517	516	512	508	512	525	537	554	562	548	536	523	513	508	510	508	509	509	507	509	520	0	12 03	568	7 49	503	65
6	✓			510	510	513	513	513	513	510	513	523	532	542	553	564	560	548	531	513	506	506	504	505	507	506	506	521	0	12 50	565	19 31	503	62
7				507	507	508	511	511	508	501	495	496	498	515	529	548	552	548	537	524	517	511	512	513	513	513	512	516	0	12 58	557	7 16	493	64
8				509	511	509	509	514	508	497	498	499	513	524	535	550	558	556	544	528	519	513	509	509	508	506	507	518	1	13 57	560	8 35	491	69
9			✓	509	507	507	508	510	513	517	509	507	513	520	512	528	547	552	539	521	513	512	514	514	512	509	506	517	1	14 05	557	7 52	498	59
10				504	505	506	508	504	501	507	515	518	519	519	522	546	549	547	534	519	510	506	505	505	505	509	505	515	1	13 45	552	5 12	497	55
11			✓	502	507	509	513	517	519	516	508	501	497	487	500	499	514	535	536	526	520	520	511	512	513	509	507	512	1	15 07	544	10 30	469	75
12			✓	507	503	506	506	501	508	518	515	507	495	493	494	503	508	500	504	509	508	506	506	506	506	505	503	505	1	6 56	521	11 30	484	37
13				505	505	506	508	511	516	517	519	520	515	512	519	531	532	530	528	518	508	507	507	505	506	503	493	513	1	13 14	535	23 42	488	47
14			✓	492	510	536	532	527	508	530	518	539	541	550	554	556	557	545	536	528	518	516	520	517	518	516	512	528	2	11 11	581	0 32	485	96
15				510	510	510	512	516	519	515	497	483	491	490	498	516	519	525	536	534	527	513	509	510	509	508	505	511	1	15 59	538	8 19	480	58
16	✓			507	507	508	510	513	517	520	516	519	528	536	538	540	535	533	528	522	513	509	508	507	507	506	504	518	0	12 21	541	23 54	503	38
17	✓	✓		505	505	504	505	507	508	505	502	504	511	515	523	527	524	521	519	517	511	506	505	505	506	505	505	510	0	12 11	529	19 24	503	26
18	✓	✓		504	505	504	507	508	510	511	518	519	530	541	546	554	552	538	524	(514)	508	504	500	503	505	504	505	517	0	12 46	558	19 15	499	59
19	✓			504	504	507	506	502	506	508	509	512	513	519	528	531	525	519	513	509	507	503	503	504	507	507	506	510	0	12 27	532	4 43	500	32
20	✓	✓		504	503	502	501	504	504	507	513	517	519	528	537	538	526	521	510	501	499	498	498	500	503	500	501	510	0	12 11	543	18 31	497	46
21	✓	✓		502	502	500	501	504	504	503	503	505	507	509	516	522	515	509	512	511	510	506	502	501	503	503	503	506	0	12 33	523	2 33	499	24
22	✓	✓		503	503	501	504	507	509	508	508	507	506	512	522	528	528	528	524	519	511	504	499	499	500	500	501	510	0	12 05	530	20 15	498	32
23				501	500	500	501	506	506	505	497	489	495	497	498	512	525	524	523	521	513	510	509	508	508	507	502	507	1	13 54	528	8 58	485	43
24			✓	495	496	505	517	523	534	528	530	523	512	500	506	517	528	533	528	512	507	506	499	503	505	506	506	513	1	5 44	538	0 30	491	47
25				504	507	508	512	514	513	508	502	495	496	497	505	524	Δ				Δ	510	508	508	509	508	506		1	12 56	528	9 20	492	36
26				504	505	508	508	511	514	521	521	Δ												Δ	506	506	506							
27				507	507	508	510	513	512	512	500	485	474	468	473	478	478	(491	508)	523	518	512	507	507	509	508	507	501	1	[16 35	525]	10 54	468	[57]
28	✓			508	508	509	510	516	521	524	512	498	487	483	490	510	518	520	518	513	508	504	504	506	507	507	507	508	0	6 12	527	10 22	481	46
29				508	508	508	510	513	519	527	530	526	525	523	527	522	521	522	518	511	506	504	507	509	509	509	507	515	1	7 18	531	18 23	502	29
30				509	511	512	513	515	521	524	518	509	499	503	509	514	516	Δ					Δ	505	508	508	506		0	6 27	525	9 58	498	27
31																																		
MEANS ALL DAYS a)				505	506	508	510	511	512	513	510	509	510	513	521	531	532	529	524	517	511	508	507	507	508	507	505	513						a) 50
MEANS TEN DAYS *				505	506	506	507	508	510	510	510	510	513	519	526	533	531	526	520	513	508	505	503	504	505	505	504	512						40
MEANS FIVE DAYS † (G. M. T.)				504	504	502	504	506	507	507	509	510	515	521	529	534	529	523	518	512	508	504 504	503 501	503	505	504	504	511						
MEANS FIVE DAYS ‡ (G. M. T.)				501	505	513	515	516	516	522	516	515	512	510	513	521	531	533	529	519	513	512	508	508	508	507	503	514						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-seven days only, omitting incomplete days April 25, 26 and 30

TABLE 218

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1927 — MAY 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓			509	509	509	510	513	514	515	519	516	519	531	542	541	541	543	534	514	505	503	502	(504	506)	507	504	517	0	14	24	544	19	00	500	44
2				505	504	506	507	509	509	502	500	501	509	514	516	517	525	542	536	517	506	501	501	502	505	507	506	510	0	14	52	549	7	32	498	51
3			✓	506	508	509	506	505	505	509	507	510	500	503	516	517	518	526	523	517	511	503	506	508	511	510	508	510	1	14	24	529	9	40	488	41
4				512	512	512	513	513	514	513	521	524	522	518	516	516	516	511	506	506	508	504	505	505	506	507	513	512	1	8	03	528	19	52	498	30
5			✓	511	510	509	499	504	503	518	539	556	558	558	557	557	548	530	518	509	507	508	507	510	511	511	509	523	1	9	13	563	3	45	491	72
6				508	510	510	511	512	512	509	507	498	502	511	518	529	532	527	520	513	516	510	506	508	508	508	506	512	1	12	36	534	8	43	493	41
7			✓	506	505	503	502	510	515	519	523	510	518	503	513	513	522	522	520	517	513	513	513	514	512	510	512	513	1	7	21	535	10	46	488	47
8				512	512	511	516	515	520	524	532	527	523	524	526	523	526	519	517	514	515	509	511	503	508	509	508	517	1	10	25	543	20	42	500	43
9				507	506	507	508	513	518	521	519	514	511	508	519	525	531	531	529	521	509	508	506	508	508	509	502	514	1	13	31	534	23	35	500	34
10	✓			503	506	507	511	513	518	526	523	513	508	511	519	528	532	538	527	509	501	500	502	504	505	505	504	513	1	14	28	540	18	51	499	41
11	✓	✓		503	504	508	509	510	513	512	508	494	481	480	488	500	518	520	529	525	517	509	504	505	506	506	505	506	0	15	46	533	10	21	478	55
12	✓	✓		504	506	506	506	508	511	515	511	504	502	502	502	514	527	529	530	520	512	508	503	504	504	504	504	510	0	14	54	533	9	10	499	34
13	✓			504	504	504	504	505	511	523	518	508	499	505	512	526	526	524	515	509	504	499	501	507	509	508	507	510	0	12	49	531	9	51	497	34
14				506	504	506	508	507	508	509	517	510	509	511	506	504	508	511	515	514	507	501	501	501	504	499	507	507	0	7	27	518	22	42	495	23
15				508	508	508	505	501	512	529	529	515	506	504	507	511	515	513	518	518	509	503	501	504	504	504	503	510	1	7	14	538	19	42	500	38
16	✓			501	500	501	502	506	514	528	526	521	503	508	499	509	519	520	516	509	509	510	509	508	508	507	506	510	1	6	44	537	9	45	495	42
17		✓		503	505	505	507	509	516	525	531	534	526	521	521	526	519	516	(519	514)	509	506	503	Δ					0	8	12	536	[0	54	501	35]
18		✓										Δ	511	507	502	503	508	506	507	506	506	503	502	502	505	503	503		0							
19				502	505	503	504	509	512	521	518	513	512	522	529	521	528	524	514	506	504	505	501	501	502	505	504	511	1	13	52	532	17	30	500	32
20			✓	508	504	506	506	511	519	520	531	533	513	498	507	509	512	512	508	505	504	500	499	502	509	508	508	510	1	8	34	541	10	20	492	49
21				509	508	509	510	513	517	522	527	522	521	523	521	519	517	512	509	503	501	496	499	499	502	504	506	511	0	6	57	528	18	43	493	35
22	✓			506	508	511	511	512	516	518	515	499	487	488	494	504	514	518	519	511	505	499	499	500	502	504	504	506	0	16	54	521	9	36	484	37
23				505	507	508	509	511	516	523	529	521	509	502	501	507	509	524	516	505	499	499	499	500	500	501	503	508	0	7	24	529	17	18	497	32
24	✓			503	505	508	510	512	514	522	529	517	512	510	519	534	535	528	507	489	490	493	496	498	501	503	502	510	0	13	11	538	16	33	487	51
25	✓			501	501	504	507	508	510	514	516	505	496	498	500	499	503	513	519	514	505	498	498	500	500	502	504	505	1	15	56	520	9	30	494	26
26		✓		504	504	□					□	500	486	481	481	491	499	500	509	509	505	499	499	499	499	501	501	502	0				11	09	480	
27				501	502	505	500	510	516	523	516	494	480	479	479	482	495	510	516	508	500	499	499	499	500	500	499	500	1	6	25	526	10	01	477	49
28			✓	500	501	502	508	519	520	522	529	526	500	489	489	491	501	512	512	509	508	503	502	502	503	504	500	506	1	8	14	536	11	55	481	55
29				500	502	506	509	511	515	528	528	514	494	480	479	492	507	518	520	511	504	499	500	500	500	502	502	505	1	7	03	535	10	51	477	58
30	✓			503	504	507	509	511	513	518	520	510	492	477	474	488	495	505	512	505	500	499	499	500	502	502	503	502	0	7	24	523	11	06	469	54
31				504	506	508	509	511	510	509	511	503	495	490	489	498	509	520	520	509	504	498	500	499	501	504	503	505	0	15	04	525	11	12	488	37
MEANS ALL DAYS a)				505	506	507	507	510	513	518	520	514	506	505	508	513	519	522	519	511	506	503	502	503	505	505	505	510								42 a)
MEANS TEN DAYS *				504	505	506	508	510	513	519	518	509	500	501	505	514	521	524	521	510	505	502	501	503	504	505	504	509								42
MEANS THREE DAYS (G. M. T.) b) †				503	505	506	507	509	513	517	517	511	503	501	504	513	521	522	526	520	513	506 508	505 503	506	506	506	505	510								
MEANS FIVE DAYS (G. M. T.) ‡				506	506	506	504	510	512	518	526	527	518	510	516	517	520	520	516	511	509	505	502	503	504	505	506	512								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = THREE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-eight days only, omitting incomplete days May 17, 18 and 26

b) Omitting incomplete Greenwich days May 18 and 26

TABLE 219

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1927 — JUNE 1927

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				503	506	507	509	510	515	522	526	519	512	500	491	493	498	505	501	501	498	498	498	499	502	506	505	505	1	7 00	527	11 54	490	37
2			✓	504	506	506	507	507	509	522	528	526	517	508	504	508	505	503	499	492	496	496	498	498	502	503	503	506	1	6 45	538	16 36	490	48
3				500	500	501	503	501	506	519	528	522	515	510	512	514	516	523	523	509	500	499	498	499	500	501	501	508	1	7 30	531	18 54	497	34
4				501	501	502	505	506	506	509	511	502	499	496	498	503	505	511	509	502	497	493	493	495	498	499	496	502	1	14 32	515	19 15	491	24
5			✓	496	488	497	500	500	503	501	504	500	498	499	502	506	503	509	510	502	501	509	509	509	505	505	503	502	1	15 32	512	1 06	485	27
6	✓			502	502	503	508	510	518	531	534	522	503	490	490	497	496	497	498	499	498	496	498	500	500	501	500	504	0	7 09	537	11 00	487	50
7				500	502	504	509	510	516	526	526	515	498	483	479	480	488	502	503	499	498	498	498	498	499	499	499	501	1	7 06	529	11 44	474	55
8	✓	✓		499	500	501	504	506	508	513	519	521	516	513	517	519	524	519	512	506	501	497	497	498	500	501	500	508	0	13 33	526	19 36	495	31
9	✓			501	503	504	505	507	506	509	507	497	486	478	490	500	510	516	510	505	500	495	498	498	500	500	499	501	0	14 44	518	10 45	475	43
10				499	500	499	499	506	509	519	524	519	511	514	515	533	540	529	507	495	491	495	497	497	499	499	500	508	1	13 14	542	17 21	488	54
11			✓	499	499	498	501	503	503	514	512	502	486	481	486	490	509	516	509	506	505	501	500	504	503	502	498	501	1	7 54	520	10 15	475	45
12			✓	497	498	501	496	496	500	515	516	517	502	501	495	497	500	506	509	508	505	499	499	501	502	504	503	503	1	8 21	522	11 27	491	31
13				499	499	501	503	505	509	519	527	518	507	504	504	516	510	519	519	508	503	500	497	498	499	500	501	507	1	7 15	529	19 52	495	34
14				499	501	499	500	506	510	521	524	523	518	516	515	513	510	509	507	504	502	498	498	499	500	500	500	507	0	8 19	527	19 15	497	30
15				500	501	502	503	507	510	518	526	526	515	502	500	511	513	516	512	506	500	496	496	498	500	501	499	507	1	7 28	530	18 42	494	36
16				500	501	501	505	508	510	517	518	512	509	502	501	500	500	505	512	515	502	495	492	498	499	500	501	504	0	6 49	526	19 09	491	35
17				500	500	499	501	507	513	523	520	502	(491	481)	484	495	508	513	510	501	502	499	498	500	501	501	502	502	0	7 12	531	11 00	479	52
18				502	501	502	505	507	510	520	529	529	517	512	511	512	510	512	512	509	503	501	501	501	503	504	505	509	0	8 06	531	18 50	500	31
19	✓	✓		504	504	504	504	(508	511	520	522)	517	508	500	495	497	504	(510	511)	507	500	498	499	500	501	502	502	505	0	[7 –	524]	11 52	492	[32]
20	✓	✓		502	502	503	505	509	510	519	520	509	500	489	485	488	490	501	505	500	494	496	498	499	500	500	501	501	0	7 08	524	11 12	484	40
21		✓		502	503	503	506	508	509	513	513	499	□					□	509	500	494	492	491	496	497	499	501		0	[7 03	517]			
22				503	504	507	508	513	515	520	522	517	513	509	504	506	509	515	513	508	497	489	493	496	497	498	499	506	1	7 00	526	18 01	488	38
23	✓			501	504	504	503	508	513	518	516	506	503	500	504	515	523	518	500	488	485	489	492	496	499	500	500	504	1	13 12	524	17 30	483	41
24	✓	✓		501	502	504	506	508	509	508	509	508	500	492	493	505	510	509	503	496	492	492	493	495	497	498	499	501	0	14 00	511	11 12	489	22
25	✓			499	500	505	508	509	510	515	515	502	490	489	491	495	497	499	498	490	485	489	493	495	498	499	499	499	1	6 57	519	17 32	483	36
26			✓	500	500	503	504	504	512	508	518	520	514	510	496	495	494	496	496	487	498	497	496	498	500	500	499	502	1	8 05	526	16 46	482	44
27				498	504	502	503	505	509	515	521	516	505	499	493	500	494	502	504	498	498	497	498	499	500	502	500	503	1	7 37	523	11 16	490	33
28	✓			500	500	501	502	502	504	512	517	510	499	496	505	513	512	494	487	489	493	496	499	500	504	504	504	502	0	7 22	519	15 39	486	33
29	✓			503	503	503	504	505	510	515	523	526	509	490	494	498	494	495	499	497	494	495	497	499	502	504	504	503	0	8 18	529	10 36	489	40
30				504	504	504	505	508	511	520	525	526	525	525	523	520	508	492	482	482	489	493	502	502	503	501	500	506	1	8 08	530	16 00	480	50
31																																		
MEANS ALL DAYS a)				501	501	502	504	506	509	517	520	515	506	500	499	504	506	508	506	500	497	496	497	499	500	501	501	504						a) 38
MEANS TEN DAYS ✲				501	502	503	505	507	510	516	518	512	501	494	496	503	506	506	502	498	494	494	496	498	500	501	501	503						37
MEANS FOUR DAYS (G. M. T.) b) †				502	502	503	505	508	510	515	518	514	506	498	498	502	507	510	508	502	497	496 496	498 497	499	500	501	502	504						
MEANS FIVE DAYS (G. M. T.) ‡				499	498	501	502	502	505	512	516	513	503	500	497	499	502	506	505	499	501	500	496	498	500	501	500	502						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day June 21

b) Omitting incomplete Greenwich day June 21

TABLE 220

DECLINATION

JULY 1927

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1927

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM			MINIMUM			RANGE
																														H	M		H	M		
1			✓	499	500	499	500	502	504	520	525	502	486	479	479	489	494	502	501	499	498	497	499	502	503	503	502	499	1	7	39	528	11	09	472	56
2				501	501	503	505	508	511	519	527	528	520	519	508	503	502	502	502	501	498	494	496	499	501	502	500	506	1	8	03	530	18	50	492	38
3	✓	✓		501	501	502	505	509	514	522	526	523	521	511	498	494	497	499	502	506	502	499	499	499	501	502	500	506	1	9	10	527	12	43	493	34
4	✓			499	499	500	504	505	508	514	518	508	496	494	496	494	493	501	507	506	500	500	499	500	501	499	499	502	1	7	36	519	13	05	489	30
5				499	499	499	502	505	508	519	523	524	514	513	508	505	500	499	500	497	494	493	494	496	499	499	498	504	1	8	30	533	18	30	492	41
6				496	494	493	499	504	507	515	519	510	500	497	501	504	503	500	503	499	497	497	496	497	498	498	499	501	1	7	30	524	2	35	491	33
7			✓	497	498	497	498	500	501	498	500	487	486	484	490	503	509	506	502	499	499	494	494	497	497	497	497	497	1	13	24	511	8	31	479	32
8				500	490	497	506	506	508	518	525	520	504	496	499	510	521	514	504	498	495	498	496	497	498	499	498	504	1	7	21	528	1	42	486	42
9	✓			496	498	500	501	504	508	514	516	508	496	488	495	502	512	517	508	499	500	499	498	498	498	499	500	502	0	14	03	519	10	24	486	33
10		✓		500	500	500	500	503	506	515	515	510	498	499	502	515	513	508	504	499	495	497	[497]	Δ					0	6	30	517	17	06	494	23
11																						Δ	495	497	498	498	497		0							
12	✓			496	493	496	497	499	503	508	515	515	513	506	503	507	515	516	507	496	494	497	496	497	499	498	497	503	0	14	15	518	1	30	492	26
13				495	496	499	501	503	504	504	505	504	505	511	514	520	533	530	522	511	503	503	499	498	499	501	501	507	1	13	34	535	0	06	494	41
14	✓			498	497	498	499	500	506	511	513	511	504	500	500	499	501	501	505	504	502	501	497	496	497	498	498	502	0	6	55	516	1	32	495	21
15	✓	✓		497	497	499	499	502	505	509	509	504	499	500	502	510	519	515	(514	507)	497	494	494	495	498	498	499	503	0	13	27	522	18	29	493	29
16	✓	✓		498	499	500	502	504	508	517	520	513	500	486	486	497	501	495	490	489	496	495	494	496	498	497	495	499	0	6	55	523	10	44	484	39
17				494	482	492	499	505	509	520	533	534	(527)	513	499	491	485	489	492	497	498	494	Δ						1	8	21	538	1	36	479	59
18																						Δ	492	495	497	499	499		1							
19				498	498	499	503	504	508	518	524	522	515	516	514	507	503	501	498	495	489	492	493	495	496	499	499	504	1	8	27	528	17	06	487	41
20				499	499	503	504	505	506	502	514	505	494	494	494	497	499	502	503	496	491	492	491	492	494	496	498	499	1	7	35	519	19	24	488	31
21			✓	497	495	499	504	509	510	517	518	514	503	494	500	509	(512)	509	503	462	477	484	485	490	459	459	486	496	2	7	08	519	22	00	439	80
22			✓	500	497	516	533	516	536	561	573	562	550	530	504	513	522	523	509	493	489	494	498	500	503	504	504	518	2	6	58	588	17	09	483	105
23			✓	503	503	503	504	509	508	506	515	507	503	501	503	502	509	506	504	503	498	495	496	498	499	499	499	503	1	7	03	517	19	39	493	24
24				499	494	494	497	506	510	517	521	519	505	502	504	505	502	509	513	513	507	499	495	497	497	499	499	504	1	7	54	524	1	42	490	34
25				498	499	500	500	505	509	512	512	501	489	484	487	504	510	504	499	492	490	492	493	495	499	499	499	499	0	7	06	514	10	35	482	32
26				499	499	500	502	505	508	516	518	512	499	493	490	498	507	506	506	495	489	484	493	494	496	498	499	500	1	7	00	520	18	42	479	41
27				499	498	499	502	504	506	509	507	500	480	485	487	499	508	520	523	511	499	497	495	496	498	497	496	501	1	15	33	525	9	30	477	48
28	✓			495	495	497	499	503	508	516	517	507	493	481	476	484	493	488	492	493	496	497	495	496	497	497	497	496	0	7	14	520	11	21	474	46
29	✓	✓		496	497	497	497	500	505	517	520	509	498	497	504	512	515	512	500	490	492	495	495	496	497	498	496	501	0	7	08	524	17	03	489	35
30	✓			497	495	495	496	501	504	514	518	512	503	499	500	497	497	499	503	504	499	494	492	493	494	496	496	500	0	7	09	522	19	30	491	31
31				494	494	493	489	490	499	511	519	511	506	512	513	514	521	524	518	505	497	499	Δ				Δ		1	13	55	525	4	00	484	41
MEANS ALL DAYS a)				498	497	499	502	504	508	515	519	513	503	498	498	502	507	507	505	498	496	495	495	496	497	497	498	502								a) 40
MEANS TEN DAYS ✱				497	497	498	500	503	507	514	517	511	502	496	496	500	504	504	503	499	498	497	496	497	498	498	498	501								32
MEANS FIVE DAYS † (G. M. T.)				498	499	500	501	504	508	516	518	512	503	499	498	506	509	506	502	498	496	497 496	496 496	497	498	499	499	502								
MEANS FIVE DAYS ‡ (G. M. T.)				499	499	503	508	507	512	520	526	514	506	498	495	503	509	509	504	491	492	493	494	496	491	492	497	502								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-six days only, omitting incomplete days July 10, 11, 17, 18 and 31

TABLE 221

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1927

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Δ						Δ	506	493	476	479	486	493	514	524	523	518	510	505	501	501	503	501	496		1	14 56	527	9 50	472	55
2				492	481	482	484	491	503	505	508	501	496	499	503	521	519	512	503	499	495	494	495	496	498	502	500	499	1	12 42	525	1 48	475	50
3				494	490	493	493	498	504	512	517	515	509	513	514	509	507	502	502	500	497	493	492	496	496	497	496	502	1	8 05	522	1 02	487	35
4				492	491	494	499	501	500	498	489	486	481	480	490	501	508	505	497	494	495	496	494	494	495	495	494	495	1	13 24	511	10 12	473	38
5				495	497	499	499	501	503	504	504	506	505	504	514	510	512	515	513	507	499	496	494	494	495	495	494	502	1	11 30	519	0 05	493	26
6		✓		493	496	497	497	501	503	507	507	503	496	488	496	507	509	513	508	495	486	489	489	492	493	494	493	498	0	14 30	514	17 21	485	29
7	✓	✓		492	491	494	496	498	502	505	507	506	502	499	509	512	509	502	496	494	492	490	490	493	494	494	495	498	1	12 59	513	1 23	489	24
8				496	494	494	493	496	498	498	499	492	498	504	514	514	512	505	503	502	498	496	494	493	494	494	493	499	1	11 51	519	3 12	490	29
9				494	485	488	493	499	502	513	524	514	507	501	493	492	496	500	510	504	498	492	489	490	493	494	496	499	1	7 36	527	1 32	482	45
10				496	496	498	498	500	507	517	514	502	480	470	472	482	494	499	499	496	493	494	495	496	498	497	495	495	1	6 18	519	10 26	469	50
11	✓			493	492	489	496	499	506	522	525	509	497	496	499	507	504	501	500	494	497	496	494	495	494	493	496	500	1	7 05	529	2 21	487	42
12	✓			490	493	494	495	499	507	524	533	530	524	513	507	503	504	506	507	504	498	495	491	492	494	494	493	504	0	7 42	534	0 27	489	45
13	✓	✓		493	492	493	494	499	505	510	512	509	503	505	513	517	512	516	515	504	495	494	491	492	493	493	492	502	0	12 10	519	19 30	490	29
14				491	492	493	495	497	500	504	504	496	484	490	495	496	504	510	505	498	491	489	489	490	491	490	490	495	0	14 45	514	9 38	481	33
15				490	494	498	499	504	507	516	518	509	503	503	508	518	524	519	512	499	489	487	487	485	488	489	492	502	1	13 41	528	18 30	484	44
16				494	495	497	498	502	503	501	492	481	482	488	492	499	(508	518)	520	509	497	491	488	489	492	493	492	497	1	15 05	521	8 30	479	42
17	✓			493	493	494	497	499	500	499	494	486	487	489	494	499	509	522	521	514	502	493	491	491	493	493	494	498	0	14 53	524	8 36	483	41
18	✓			494	494	495	497	501	502	499	489	474	469	473	490	505	510	(504	502)	489	480	488	489	490	491	493	494	492	0	13 05	511	10 12	467	44
19			✓	494	494	494	494	498	503	517	541	519	505	499	499	502	507	505	497	488	482	481	483	485	488	493	488	498	1	7 08	554	18 00	479	75
20			✓	493	495	481	480	483	499	512	529	529	525	525	517	509	501	503	484	489	499	504	499	491	488	502	503	502	2	7 30	536	15 51	469	67
21			✓	499	499	500	486	501	509	508	523	519	514	509	513	516	514	511	508	507	501	497	494	495	497	496	497	505	2	7 09	527	3 20	459	68
22				496	496	497	497	500	505	513	514	513	509	504	505	507	517	513	515	500	496	494	491	494	494	494	494	502	1	13 45	519	19 59	490	29
23				494	496	497	499	503	507	511	504	497	495	498	501	503	507	(507	508)	509	493	489	489	492	494	495	495	499	1	6 15	511	19 30	488	23
24	✓			494	495	497	499	502	506	516	513	502	492	491	492	495	496	495	498	494	486	488	488	488	489	490	492	496	0	6 24	519	17 44	485	34
25	✓	✓		493	494	495	497	498	501	503	491	479	474	473	479	488	496	495	498	499	493	492	492	492	492	493	493	492	0	6 27	505	9 54	470	35
26	✓	✓		491	491	493	496	499	501	507	502	486	474	469	465	466	479	495	504	501	492	490	490	490	491	492	492	490	0	6 23	509	12 16	464	45
27	✓			492	491	489	490	495	502	518	524	516	508	503	500	500	499	492	486	484	482	486	488	488	491	491	491	496	0	7 50	527	17 39	481	46
28				493	494	493	495	499	503	516	520	516	515	512	507	506	505	509	503	495	490	492	495	493	491	494	494	501	1	7 38	522	17 31	489	33
29			✓	498	499	499	499	494	501	513	515	514	519	510	506	487	483	478	478	479	493	497	495	499	498	497	491	498	1	9 04	528	14 12	471	57
30			✓	482	469	454	449	459	451	468	485	501	513	510	515	509	510	516	508	501	496	498	495	497	496	496	496	491	1	12 30	524	3 40	442	82
31				495	491	490	494	498	499	505	508	504	504	508	507	514	512	507	502	499	498	494	495	496	495	495	492	500	1	12 55	516	1 50	488	28
MEANS ALL DAYS a)				493	492	492	493	497	501	508	510	504	499	498	500	503	506	506	503	498	493	492	492	492	493	494	494	498						42 a)
MEANS TEN DAYS *				492	493	493	496	499	503	510	509	500	493	491	495	499	502	503	503	498	4	491	490	491	492	493	493	497						38
MEANS FIVE DAYS † (G. M. T.)				492	493	494	496	499	502	506	504	497	490	487	492	498	501	504	504	499	492	492 491 / 491 490	491	492	493	493	493	496						
MEANS FIVE DAYS ‡ (G. M. T.)				493	491	486	482	487	493	504	519	516	515	511	510	505	503	503	495	493	494	495	492	492	491	496	494	498						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day August 1

TABLE 222

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1927 — SEPTEMBER 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				489	488	494	496	500	508	519	523	523	522	516	503	503	509	509	500	499	496	494	494	494	496	497	496	503	1	7 57	529	0 33	486	43
2	✓			497	497	497	495	497	499	503	509	509	502	499	502	503	507	504	499	492	488	489	492	492	493	494	498	498	0	7 40	512	18 03	485	27
3				497	495	494	499	499	499	504	504	499	493	489	500	516	518	519	514	504	493	493	494	495	495	495	493	500	1	14 06	523	9 54	486	37
4			✓	493	494	493	491	492	497	502	505	496	490	475	476	493	510	517	515	503	496	497	498	499	494	493	492	496	1	13 17	523	11 24	470	53
5				489	489	492	493	499	506	514	512	509	499	489	492	501	510	518	508	492	486	488	△						1	14 30	519	17 21	485	34
6			✓																		△	[482]	482	484	489	490	493		1					
7			✓	490	493	498	492	496	508	513	504	510	509	502	499	499	(504	514)	512	504	499	498	496	498	498	496	494	501	1	6 16	517	3 23	488	29
8				494	496	494	492	501	507	515	519	509	503	484	474	487	496	496	492	489	487	487	486	490	494	493	491	495	1	7 36	524	11 24	467	57
9			✓	490	492	492	493	496	508	522	516	504	490	490	474	488	510	518	512	504	499	499	494	494	495	491	490	498	1	6 57	523	11 24	468	55
10			✓	486	481	488	497	505	513	522	521	513	493	479	478	473	491	490	507	504	496	499	489	489	492	493	492	495	2	6 54	524	12 06	466	58
11				496	491	495	492	509	514	516	509	503	498	492	489	496	511	526	530	509	492	491	489	489	489	490	492	500	1	15 15	533	11 34	484	49
12				491	490	495	500	504	509	515	509	498	483	466	461	478	488	494	503	499	489	489	489	490	490	490	486	492	0	6 35	517	11 02	458	59
13				482	490	494	498	504	509	519	525	520	513	492	479	483	487	495	495	488	487	491	493	494	494	490	493	496	1	7 45	532	0 06	474	58
14				490	495	496	499	500	504	512	515	517	515	510	513	520	520	510	500	493	491	491	494	494	492	495	495	503	0	13 24	522	16 36	489	33
15	✓			491	492	494	495	497	499	504	512	516	516	524	524	535	545	532	512	491	486	490	493	493	492	492	493	505	0	13 54	547	17 14	485	62
16	✓	✓		490	492	492	495	497	500	505	501	493	490	488	492	504	513	504	494	489	491	491	490	491	492	492	491	495	0	13 21	515	10 36	486	29
17	✓	✓		490	490	490	494	496	499	501	500	508	508	503	505	512	519	512	505	495	490	489	489	493	493	493	494	499	0	13 28	522	18 35	488	34
18	✓			494	494	493	494	495	498	500	499	494	490	(492	495)	515	531	524	505	490	485	487	489	489	490	491	491	497	0	13 36	534	17 05	483	51
19	✓			491	489	490	494	495	496	491	486	480	487	494	500	509	507	500	495	486	484	487	489	491	491	492	491	492	0	12 45	511	8 35	477	34
20	✓			489	491	494	494	495	498	495	490	485	485	489	495	511	523	521	513	500	489	491	489	490	490	492	494	496	1	13 46	525	9 15	477	48
21	✓			493	489	488	494	496	497	497	502	504	499	499	508	520	524	513	501	492	484	483	489	489	490	491	491	497	0	13 06	529	18 16	481	48
22		✓		489	489	489	492	494	491	490	488	486	486	489	502	511	505	502	502	496	488	486	[486]	△					0	12 48	512	[9 52	485	27]
23		✓																			△	[488]	488	489	489	490	489		0					
24	✓	✓		486	487	487	491	496	498	493	490	486	490	503	525	537	530	515	507	501	492	489	488	489	490	489	489	498	0	12 42	543	0 06	485	58
25				486	487	489	491	492	491	484	477	483	486	489	512	522	530	514	500	493	494	491	493	493	494	489	488	494	1	13 45	532	7 24	473	59
26				486	484	484	489	493	496	499	501	504	505	507	519	513	509	512	505	502	496	490	490	491	491	490	489	498	1	11 14	524	2 09	483	41
27				487	486	487	491	495	495	494	498	502	509	517	520	524	526	508	504	498	494	489	490	491	489	489	486	499	1	13 21	529	23 56	481	48
28	✓			484	487	491	492	489	490	495	506	516	523	537	544	541	530	511	501	490	486	491	493	493	493	488	487	502	0	11 54	545	0 48	480	65
29				486	484	482	482	480	483	483	478	471	477	470	481	484	490	492	495	492	491	492	494	493	490	490	492	486	1	16 04	496	10 31	463	33
30				491	490	488	490	492	497	501	504	508	508	511	516	513	510	516	509	496	491	490	487	488	487	488	489	498	1	11 48	519	2 24	485	34
31																																		
MEANS ALL DAYS a)				490	490	491	493	497	500	504	504	502	499	497	499	507	513	510	505	496	491	491	491	492	492	492	491	497						45 a)
MEANS TEN DAYS ✲				490	491	492	494	495	497	498	500	499	499	503	509	519	523	514	503	493	488	489	490	491	491	491	492	498						46
MEANS FOUR DAYS (G. M. T.) b) †				489	490	490	493	496	497	497	495	493	494	496	506	516	517	508	502	495	490	488 489	490 488	490	491	491	491	496						
MEANS FOUR DAYS (G. M. T.) c) ‡				490	490	493	493	497	506	515	512	506	496	486	482	488	504	510	512	504	498	498	489	491	493	492	492	497						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧋ = NO RECORD

a) Twenty-six days only, omitting incomplete days September 5, 6, 22 and 23
b) Omitting incomplete Greenwich day September 23
c) Omitting incomplete Greenwich day September 6

TABLE 223

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1927 — OCTOBER 1927

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		487	486	486	487	487	492	492	486	488	495	496	499	496	499	499	494	490	487	484	486	485	486	484	485	490	0	14 24	503	22 58	481	22
2				484	485	486	486	489	496	502	502	503	503	503	512	513	507	506	509	502	494	494	494	490	489	489	489	497	1	12 21	516	0 51	483	33
3				483	483	487	488	490	493	492	485	480	481	492	508	522	525	518	502	490	484	486	489	489	488	488	488	493	0	13 09	527	9 00	477	50
4	✓	✓		484	484	488	491	494	495	492	489	489	496	502	511	511	504	493	481	475	479	481	486	487	487	487	487	491	0	12 00	514	16 48	474	40
5				484	486	484	486	486	486	482	484	493	500	514	529	525	516	509	503	498	493	489	490	493	492	492	491	496	1	11 54	534	6 54	480	54
6				488	484	484	485	483	482	480	489	494	499	505	516	520	513	502	492	485	481	482	487	488	488	487	484	492	1	12 18	523	6 34	478	45
7				485	484	483	485	484	482	476	483	500	507	503	520	534	531	522	515	506	503	499	498	504	495	498	498	500	1	13 04	540	6 44	474	66
8				493	489	483	473	470	471	477	490	500	510	515	519	519	516	508	498	487	484	490	493	494	493	492	490	494	1	12 42	523	4 06	465	58
9				489	486	486	486	485	483	475	479	484	487	491	490	479	473	481	480	471	480	489	493	494	493	494	490	485	1	10 53	497	16 49	466	31
10			✓	486	486	485	484	471	483	486	494	510	513	535	536	529	519	507	497	488	497	497	498	499	498	494	491	499	2	11 30	554	4 26	460	94
11				487	484	480	477	479	487	492	503	512	517	526	522	513	510	511	502	499	493	489	491	490	492	488	486	497	1	10 40	530	3 46	474	56
12			✓	480	479	479	479	480	474	466	503	454	500	534	530	525	513	510	510	519	517	526	513	513	514	510	510	502	2	11 43	561	8 19	424	137
13			✓	513	496	500	500	506	498	486	482	492	483	505	511	510	517	516	510	502	496	494	495	494	495	498	499	500	2	10 05	522	9 21	473	49
14				491	490	489	490	493	497	494	499	501	508	518	524	527	526	522	511	493	480	482	490	488	490	490	493	499	0	12 24	529	17 27	479	50
15	✓			493	490	491	492	492	489	478	479	489	501	514	519	519	514	506	498	491	485	484	489	490	490	490	490	495	0	11 38	522	7 00	473	49
16	✓			488	488	484	488	490	491	484	489	501	509	(515	514)	519	513	502	492	484	484	482	486	489	488	485	487	494	1	12 24	525	18 16	479	46
17	✓	✓		486	485	487	487	489	484	477	481	488	496	506	518	529	530	520	506	493	484	481	484	486	486	487	488	494	0	13 03	535	6 42	475	60
18	✓			488	485	484	486	486	485	482	489	502	506	518	518	515	513	504	497	486	481	480	486	486	486	489	490	493	0	10 51	523	18 04	479	44
19				489	488	489	489	485	481	471	470	480	488	504	511	516	525	527	509	490	481	482	487	488	488	486	486	492	0	13 54	531	7 05	465	66
20	✓			486	486	487	484	483	480	474	476	476	482	495	499	496	495	500	495	485	480	481	486	487	487	487	486	486	0	14 19	504	6 33	473	31
21	✓	✓		484	484	483	484	486	489	484	481	475	474	478	484	494	499	505	489	475	474	482	487	486	487	489	490	485	0	14 24	507	9 33	470	37
22			✓	489	484	433	444	469	479	465	475	490	489	498	515	515	515	513	506	500	499	500	508	506	499	502	487	491	2	8 05	522	2 27	404	118
23			✓	467	469	472	473	473	455	471	490	504	516	508	503	504	509	499	499	498	485	493	494	496	499	497	489	490	2	9 45	520	5 32	443	77
24				486	489	491	493	489	488	488	494	501	509	525	523	517	518	513	505	498	486	486	(490)	494	494	493	490	498	1	11 00	531	17 57	481	50
25				489	489	488	488	488	481	466	457	463	483	496	501	499	491	500	503	502	495	495	497	493	493	492	485	489	0	11 03	506	7 42	454	52
26				483	483	482	482	492	488	486	497	511	516	524	523	521	520	505	494	483	482	486	489	489	489	489	487	496	1	10 48	531	3 22	479	52
27				485	485	486	486	486	482	472	472	477	484	489	492	489	490	489	484	483	481	486	490	490	490	492	489	485	0	11 25	494	7 45	470	24
28	✓			486	486	485	486	489	487	483	490	500	513	519	516	508	507	507	495	477	476	483	490	492	489	488	487	493	0	10 20	523	17 15	471	52
29				486	485	483	484	483	481	472	482	491	505	519	529	532	524	504	489	483	481	485	490	487	492	492	486	494	0	12 24	535	6 30	472	63
30				486	486	486	486	487	483	475	482	494	505	518	521	518	511	500	486	472	473	485	490	491	490	489	488	492	1	11 48	524	16 54	468	56
31	✓	✓		485	485	484	485	485	474	451	450	460	478	495	506	510	510	501	490	484	484	486	492	491	490	486	485	485	0	12 45	514	7 00	448	66
MEANS ALL DAYS				487	485	484	484	485	484	480	485	490	498	508	514	514	511	506	498	490	486	488	492	492	492	491	489	493						56
MEANS TEN DAYS ✱				487	486	486	487	488	487	480	481	487	495	504	508	510	508	504	494	484	481	482	487	488	488	487	488	491						45
MEANS FIVE DAYS † (G. M. T.)				485	485	486	487	488	487	479	477	480	488	495	504	508	508	504	492	483	482	485 483	488 487	489	488	487	488	489						
MEANS FIVE DAYS ‡ (G. M. T.)				487	483	474	476	480	478	475	489	490	500	516	519	517	515	509	504	501	499	502	498	498	497	497	493	496						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 224

DECLINATION

7 ° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

NOVEMBER 1927

NOVEMBER 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			483	483	483	483	484	484	477	482	490	495	495	490	483	489	492	486	483	484	484	488	488	488	486	483	486	0	10 15	498	6 30	476	22
2	✓	✓		482	480	480	482	484	487	489	495	502	509	508	510	504	491	488	486	483	483	480	482	485	486	486	485	489	0	11 36	513	1 54	479	34
3	✓			482	481	480	481	486	489	484	484	492	498	503	509	512	511	505	489	480	474	479	483	487	488	488	485	490	0	12 00	514	17 30	471	43
4	✓			484	483	483	484	484	484	480	484	492	509	518	522	514	510	504	489	474	474	481	489	488	490	492	490	492	1	11 42	533	16 54	471	62
5				488	486	484	484	486	484	480	488	501	513	519	516	515	508	501	490	480	474	478	484	486	486	486	484	492	1	10 45	522	17 30	473	49
6				481	480	478	478	480	472	464	469	480	495	502	501	500	500	497	488	478	474	480	484	484	485	485	483	484	1	10 06	507	6 30	460	47
7	✓	✓		482	479	478	478	477	470	462	466	478	491	503	502	500	500	498	489	474	474	480	484	486	486	485	483	484	0	10 45	505	6 21	461	44
8				479	478	476	480	479	470	462	464	472	482	487	490	489	486	475	462	462	471	480	488	490	490	489	488	479	1	11 30	494	15 53	459	35
9				484	482	480	480	479	471	463	470	490	505	515	528	522	518	512	498	482	476	482	488	487	486	483	480	490	1	11 12	533	6 29	462	71
10				479	478	478	478	474	474	469	477	489	500	506	506	500	492	488	480	472	474	482	490	490	487	483	480	484	1	10 45	508	6 42	465	43
11				480	480	480	480	483	483	475	481	489	490	495	503	500	493	484	477	473	477	483	489	489	487	486	485	485	0	11 45	509	16 28	470	39
12				481	478	479	481	483	480	472	485	508	522	529	530	524	510	499	481	473	474	479	489	491	491	490	490	492	0	11 02	533	6 21	471	62
13				485	483	481	481	483	477	471	480	497	511	517	521	519	514	503	486	480	481	482	489	490	489	489	487	492	0	11 20	523	6 20	469	54
14	✓	✓		483	482	480	480	480	479	479	483	495	509	516	519	519	510	495	484	483	481	483	487	487	487	485	482	490	0	12 15	522	6 09	476	46
15	✓			480	478	478	479	479	480	480	485	493	504	515	524	524	519	513	503	488	479	482	487	489	488	487	483	492	0	11 57	529	2 01	476	53
16				482	477	475	475	475	472	464	471	487	499	(505	508)	501	491	489	485	481	480	483	488	489	489	488	483	485	1	[11 56	509]	6 24	461	[48]
17				483	483	483	483	481	474	468	479	493	506	523	528	517	501	493	485	479	481	481	487	489	488	485	483	490	1	10 54	532	6 06	465	67
18			✓	477	475	472	469	469	469	468	473	493	483	502	520	513	505	503	499	495	498	497	503	501	497	493	493	490	2	11 14	533	6 51	460	73
19			✓	493	489	483	483	484	479	472	481	495	505	512	511	505	503	504	491	483	479	481	488	491	491	489	488	491	1	11 12	519	6 42	470	49
20				483	482	481	481	480	479	477	483	495	510	518	511	496	495	492	487	485	483	485	491	491	491	490	487	490	1	10 06	521	6 30	475	46
21			✓	485	483	480	481	481	473	471	483	498	511	526	533	525	519	499	483	471	471	480	486	490	488	486	484	491	1	11 00	535	16 46	467	68
22	✓	✓		482	482	482	483	483	473	463	473	495	513	519	530	527	507	489	473	468	470	480	485	486	487	486	484	488	1	11 45	536	6 15	461	75
23	✓			481	480	480	479	479	472	470	477	486	497	504	511	508	490	479	471	469	472	480	485	485	484	484	483	484	0	11 45	516	16 17	468	48
24				481	479	479	481	479	469	463	472	487	503	518	531	515	489	471	467	470	472	479	483	483	483	484	484	484	1	11 32	533	6 06	461	72
25	✓	✓		483	482	482	483	478	476	477	491	509	518	521	527	517	498	490	481	472	473	478	483	483	483	483	481	490	0	11 30	529	16 58	471	58
26				481	480	480	479	476	470	464	473	488	499	507	507	505	493	490	486	475	473	475	484	486	486	485	483	484	1	11 14	512	6 12	463	49
27				481	479	477	475	476	475	469	478	497	511	511	506	495	485	485	485	483	479	483	489	488	487	485	482	486	1	9 45	513	6 15	466	47
28				479	478	477	478	479	475	470	476	484	491	499	501	495	491	493	489	484	478	479	487	487	483	481	478	484	1	11 39	503	6 32	467	63
29			✓	475	474	474	475	476	474	473	489	509	521	531	526	519	509	495	490	489	485	489	493	497	498	492	486	493	1	10 09	533	6 00	470	63
30			✓	481	477	475	480	481	478	472	481	505	521	526	523	517	498	485	481	481	477	479	483	487	486	485	485	489	1	10 57	527	5 48	470	57
31																																		
MEANS ALL DAYS				482	480	479	480	480	476	472	479	493	504	512	515	509	501	494	485	478	477	481	487	488	488	487	484	488						52
MEANS TEN DAYS *				482	481	481	481	481	479	476	482	493	504	510	514	511	502	495	485	477	476	481	485	486	487	486	484	488						48
MEANS FIVE DAYS † (G. M. T.)				482	481	480	481	480	477	474	482	496	508	513	518	513	501	492	483	476	476	481 480	486 484	487	487	486	484	489						
MEANS FIVE DAYS ‡ (G. M. T.)				482	480	477	478	478	475	471	481	500	508	519	523	516	507	497	489	484	482	485	492	493	491	488	485	491						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 225

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1927

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				482	482	481	481	481	472	459	459	477	489	501	503	498	484	476	467	463	473	483	493	495	495	495	495	483	1	11 36	509	7 12	451	58
2				489	486	481	477	473	468	461	471	482	498	511	513	512	503	488	486	480	479	481	488	488	486	485	480	486	1	12 32	515	6 16	458	57
3	✓			480	480	479	477	475	466	459	469	489	505	511	508	495	483	483	479	476	477	479	482	483	483	483	483	483	1	10 44	515	6 15	455	60
4	✓	✓		481	479	477	477	474	463	454	463	476	493	504	513	506	498	484	478	469	469	475	481	482	484	483	481	481	0	11 54	517	6 19	453	64
5				478	477	477	477	478	468	451	455	465	472	483	494	495	495	480	474	481	479	483	487	487	486	484	481	479	1	11 54	501	6 45	449	52
6				478	473	472	469	471	463	461	474	497	511	521	522	507	495	485	483	476	479	482	481	483	483	483	484	485	1	11 00	533	6 09	457	76
7				481	479	479	480	479	471	463	473	487	493	505	518	522	503	478	464	464	471	480	486	485	483	481	481	484	1	12 33	527	6 18	461	66
8				475	475	474	474	475	468	459	471	487	497	508	508	504	495	475	470	467	469	478	486	485	486	486	482	481	1	11 06	513	6 21	454	59
9				481	477	476	475	475	465	463	479	505	518	524	515	505	484	458	458	467	470	478	485	486	486	485	481	483	1	10 21	530	14 48	452	78
10				477	475	475	475	474	470	465	481	506	515	520	(525)	517	512	503	489	479	475	478	485	485	484	480	480	489	1	[11 30	525]	6 18	461	[64]
11	✓			478	476	476	475	480	473	465	479	491	504	519	525	511	495	487	483	475	471	472	480	481	481	481	481	485	0	11 42	529	6 22	463	66
12				479	475	475	475	475	470	453	455	471	493	516	525	519	502	500	489	483	476	476	481	483	485	485	484	484	1	11 54	527	7 01	450	77
13			✓	480	478	473	468	467	459	445	450	483	501	520	526	511	521	515	514	503	493	495	500	500	500	495	491	491	2	10 39	567	6 35	442	125
14			✓	485	477	476	472	471	461	450	471	490	513	528	540	546	515	511	498	487	477	477	485	486	485	482	479	490	2	12 10	550	6 12	443	107
15				474	464	459	465	475	473	461	476	491	504	504	517	517	513	495	479	468	468	473	483	486	485	485	481	483	1	11 45	523	2 30	457	66
16				480	478	476	475	478	473	467	478	488	499	500	504	505	498	495	490	485	480	480	483	484	484	483	481	485	1	11 51	509	6 15	462	47
17			✓	475	465	461	459	461	459	457	470	489	487	496	511	516	515	501	487	475	473	475	481	483	481	479	479	481	2	12 51	525	6 12	450	75
18			✓	471	463	465	465	461	465	463	465	480	496	520	530	528	523	507	(489)	480	482	490	499	504	501	497	491	489	1	11 54	537	2 08	455	82
19				483	480	481	481	485	486	491	503	514	517	519	(518)	508	505	491	472	461	463	473	482	484	485	485	483	490	1	[11 17	520]	16 27	459	[61]
20	✓	✓		483	483	481	480	479	470	467	481	494	500	507	513	510	503	490	480	475	475	477	485	485	485	483	481	486	0	11 55	515	6 18	461	54
21	✓	✓		480	478	477	476	478	470	460	473	495	505	511	513	505	487	469	461	463	470	477	483	483	483	480	479	482	0	11 24	516	6 22	458	58
22	✓			475	472	470	471	469	463	460	481	499	512	520	517	499	474	461	464	473	477	480	487	489	489	485	485	482	0	10 37	523	6 18	454	69
23				477	473	470	470	470	464	457	469	481	487	497	503	500	487	471	461	460	465	473	479	481	483	484	483	477	0	12 06	505	6 30	454	51
24	✓	✓		481	477	475	475	473	465	453	459	475	492	507	518	520	513	500	490	483	479	477	484	484	483	482	478	484	0	12 30	521	6 36	451	70
25	✓			475	474	473	473	474	470	463	467	478	496	517	522	518	517	510	494	485	483	481	484	488	485	483	480	487	0	11 09	524	6 15	461	63
26				475	473	471	471	472	468	463	471	478	481	503	525	532	530	510	493	476	474	478	481	482	480	477	476	485	0	12 12	535	6 15	461	74
27	✓	✓		475	474	473	473	475	473	471	485	499	503	512	529	513	500	479	469	467	475	477	483	483	482	482	477	485	1	11 32	537	5 58	465	72
28			✓	474	473	473	473	475	474	470	478	489	493	494	493	498	509	501	473	466	480	487	493	493	491	490	477	484	1	13 36	515	16 25	463	52
29				483	481	480	481	484	481	474	482	499	513	533	536	526	511	495	481	470	475	479	483	486	489	485	483	491	0	11 09	541	16 31	466	75
30	✓			480	478	475	474	476	472	466	481	500	520	535	533	515	507	499	487	473	473	475	479	483	483	482	478	488	0	10 36	538	4 18	463	75
31				477	474	473	471	467	469	474	487	497	511	534	540	526	512	504	485	473	471	470	477	482	484	482	480	488	1	11 11	543	4 00	465	78
MEANS ALL DAYS				479	476	474	474	474	469	462	473	489	501	512	518	512	503	490	480	474	475	479	485	486	486	484	482	485						69
MEANS TEN DAYS ✲				479	477	476	475	475	468	462	474	490	503	514	519	509	498	486	478	474	475	477	483	484	484	482	480	484						65
MEANS FIVE DAYS † (G. M. T.)				480	478	477	476	476	468	461	472	488	499	508	517	511	500	484	476	471	474	476 477	482 483	483	483	482	481	484						
MEANS FIVE DAYS ‡ (G. M. T.)				477	471	470	467	467	464	457	467	486	498	512	520	520	517	507	492	482	481	485	486	487	486	485	482	486						

DECEMBER 1927

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 226

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1927 — JANUARY 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	643	643	643	644	665	671	675	671	706	754	724	689	666	651	650	657	659	623	618	630	623	633	640	621	658	1	9	22 779	17	50 581	198
2				624	629	631	631	633	640	656	674	708	755	761	738	680	637	606	584	606	640	650	650	647	647	644	644	655	0	9	34 769	15	42 577	192
3	✓			642	641	640	641	644	651	671	705	745	789	806	786	723	648	598	603	628	644	654	655	653	645	641	638	670	0	10	30 810	14	33 589	221
4			✓	632	638	636	635	633	639	660	681	725	751	786	778	754	682	625	628	607	596	640	639	644	637	643	658	664	1	11	07 827	16	04 570	257
5				658	660	660	660	657	670	683	682	676	749	762	737	696	690	636	625	637	654	651	643	634	632	637	639	668	1	10	31 811	14	48 601	210
6				640	637	637	639	642	663	679	717	758	775	781	753	714	652	615	622	647	670	659	648	645	644	643	645	672	1	9	03 815	13	58 600	215
7			✓	646	644	640	629	641	667	661	685	609	705	790	778	732	645	541	533	487	508	503	508	532	570	573	576	617	1	11	17 820	16	46 466	354
8	✓			577	578	583	582	584	589	598	624	673	713	740	736	702	656	626	622	631	629	617	612	611	613	614	613	630	0	11	11 748	0	34 575	173
9		✓		614	614	614	611	610	614	626	649	696	747	790	819	774	701	636	593	591	605	618	623	624	▽				0	11	55 826	16	10 583	243
10		✓								▽	657	683	734	775	800	786	740	691	652	624	634	645	646	638	639	638	636		0	11	37 809			
11				637	638	638	637	635	645	651	654	671	686	745	783	735	652	602	595	619	630	632	633	632	637	632	630	652	0	11	36 814	15	26 586	228
12				633	636	634	633	638	650	653	676	746	815	778	824	796	723	680	647	633	621	621	616	617	619	620	624	672	0	11	07 838	20	01 612	226
13				625	626	625	630	633	641	659	689	734	753	782	785	762	710	673	654	653	650	637	627	628	628	629	630	669	0	10	52 813	2	42 621	192
14				634	636	636	635	634	645	664	684	723	766	802	832	(789)	722	666	639	650	630	641	641	638	638	636	639	676	0	11	27 867	17	44 615	252
15				639	636	632	631	630	641	661	672	(684)	658	678	689	673	668	664	659	661	654	644	642	638	636	637	640	653	1	11	24 716	4	22 627	89
16				635	635	637	635	640	652	676	697	730	717	751	776	748	695	638	644	661	667	660	650	645	641	637	638	671	0	11	12 795	14	54 629	166
17				636	631	647	646	642	648	666	685	697	691	699	683	669	(657)	623	640	652	656	648	639	641	649	642	634	655	1	10	13 749	[14	51 612	137]
18	✓			642	634	634	638	636	642	665	694	742	770	809	812	774	727	675	635	629	637	640	639	635	632	635	637	676	0	10	53 822	16	29 623	199
19	✓			637	640	641	642	640	642	656	660	701	754	771	764	719	670	619	614	631	647	643	641	639	639	639	640	662	0	9	55 797	14	38 602	195
20	✓			639	638	639	640	642	649	667	694	758	803	835	844	814	749	684	632	620	635	648	647	646	646	644	642	686	0	11	02 849	16	07 618	231
21		✓		643	641	638	640	640	644	659	△																		0					
22		✓								△	699	744	796	827	847	826	766	725	695	665	654	659	656	650	650	643	645		0	11	02 857			
23	✓	✓		643	644	646	647	645	647	642	644	681	755	787	845	852	818	757	690	658	645	654	661	661	657	660	669	692	0	12	24 856	6	46 633	223
24			✓	677	686	685	681	688	683	685	704	733	806	813	841	839	804	744	710	673	660	682	693	672	671	671	659	715	1	11	52 879	8	52 636	243
25			✓	665	657	646	652	649	633	638	641	661	695	736	766	779	766	735	708	658	642	631	626	625	630	609	616	669	0	12	23 791	22	16 593	198
26				606	597	606	618	621	619	613	599	619	658	692	676	665	685	691	692	687	660	643	633	630	633	634	630	642	1	11	35 740	1	34 595	145
27	✓			630	630	633	637	640	643	649	665	699	736	760	752	726	724	714	695	677	667	652	644	644	643	640	639	672	0	10	45 783	0	14 627	156
28	✓			639	637	638	645	650	648	653	654	667	688	709	738	766	775	747	715	680	653	639	642	640	641	640	639	673	0	13	38 784	1	44 634	150
29	✓			638	638	640	642	645	645	651	669	691	722	754	774	746	733	717	685	671	659	651	647	647	646	645	644	675	0	11	05 787	0	18 636	151
30				[644]	▽						▽	697	741	779	790	805	781	750	722	681	656	641	642	636	631	628	626		0	12	20 813	[23	40 625	188]
31	✓			634	645	647	647	647	647	658	674	704	734	748	750	740	723	712	703	689	662	648	646	648	648	650	651	677	0	11	36 759	0	01 628	131
MEANS ALL DAYS a)				637	637	637	638	641	647	657	673	702	738	762	766	741	702	663	647	642	640	639	637	635	637	636	636	666						a) 198
MEANS TEN DAYS ✲				632	632	634	636	637	640	651	668	706	746	772	780	756	722	685	659	651	648	645	643	642	641	641	641	671						183
MEANS TWO DAYS (G. M. T.) b) †				628	629	630	629	628	630	634	646	688	751	788	832	813	760	696	642	624	625	638 636	634 642	630	632	628	629	669						
MEANS FIVE DAYS (G. M. T.) ‡				653	654	650	648	655	659	664	676	687	742	770	770	754	710	659	647	617	606	615	660	655	651	650	650	671						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = TWO INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-six days only, omitting incomplete days January 9, 10, 21, 22 and 30

b) Omitting incomplete Greenwich days January 10, 21 and 22

TABLE 227

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1927

FEBRUARY 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				650	652	652	652	650	653	668	700	724	727	717	696	645	610	614	639	666	665	640	627	634	636	636	634	658	0	9 03	746	14 13	599	147
2	✓			633	635	637	638	641	648	678	721	757	773	746	716	675	644	643	654	676	676	655	647	647	649	650	650	670	0	9 46	785	13 58	625	160
3				646	645	645	645	648	657	692	728	802	845	833	781	689	646	602	607	619	606	597	618	608	614	608	612	666	0	9 42	864	14 51	577	287
4				613	613	619	625	627	634	659	709	765	796	789	757	697	638	606	623	654	657	642	632	630	629	635	637	662	0	9 31	804	14 49	590	214
5				634	632	635	637	641	641	660	699	762	(811)	828	813	757	697	643	649	673	673	656	646	645	645	644	647	682	0	[10 50	833]	1 21	630	[203]
6	✓	✓		643	641	641	641	642	645	665	708	772	854	912	904	870	801	743	699	681	673	661	656	657	654	651	647	711	0	10 34	917	1 27	641	276
7	✓	✓		644	645	647	647	645	642	643	669	742	826	892	900	885	830	776	724	682	670	672	666	664	660	663	663	712	0	10 59	908	5 51	639	269
8				663	663	664	668	661	655	660	679	720	788	840	879	868	823	790	699	682	672	645	630	630	631	630	636	703	0	11 37	916	19 42	621	295
9			✓	637	641	640	641	643	648	645	647	697	746	776	812	892	789	783	714	610	590	558	555	564	585	592	590	666	1	12 02	974	19 12	549	425
10			✓	597	603	622	629	620	602	582	561	582	647	717	777	785	802	790	750	706	666	642	633	631	630	629	628	660	1	11 46	836	7 30	552	284
11				628	628	627	628	631	633	641	661	682	709	741	748	725	698	688	685	668	638	626	624	626	625	621	619	658	0	11 07	772	23 15	619	153
12				630	636	628	627	629	633	635	649	680	707	711	725	713	736	688	625	646	645	629	619	618	619	620	623	653	1	13 26	783	15 08	587	196
13				623	619	616	617	617	622	625	643	651	708	718	714	723	677	675	677	680	661	638	624	623	621	623	632	651	1	12 46	770	3 56	614	156
14	✓			631	625	623	631	633	627	643	674	720	769	803	803	767	739	(705)	687	675	660	641	634	634	639	636	629	676	0	11 34	814	2 15	621	193
15	✓			634	634	641	638	637	635	639	670	710	770	793	756	772	763	731	710	697	678	689	644	631	626	631	636	682	0	10 39	818	21 00	624	194
16				638	638	635	637	643	649	638	627	682	697	765	786	823	823	763	687	655	646	636	632	622	626	628	621	675	1	12 47	849	7 35	605	244
17				617	619	627	631	633	636	644	659	683	737	768	810	775	768	739	699	672	655	640	627	630	629	631	632	673	0	11 22	841	0 56	614	227
18				635	638	638	638	637	643	650	670	712	759	773	784	772	745	705	699	681	664	647	646	642	639	641	639	679	0	11 43	815	0 22	632	183
19				640	639	639	639	644	645	642	654	670	718	768	795	779	748	733	701	679	667	651	645	643	640	635	630	677	0	11 49	828	23 28	626	202
20	✓			632	633	634	640	641	643	641	646	665	706	748	761	768	754	722	693	663	648	645	642	639	639	638	634	670	0	12 05	782	0 47	630	152
21	✓	✓		632	636	637	638	636	639	636	639	672	720	761	789	793	778	749	716	681	657	646	643	640	642	641	640	678	0	12 22	798	0 27	628	170
22	✓	✓		641	640	640	642	643	646	640	641	678	724	773	801	807	801	777	734	693	668	656	649	646	645	643	643	686	0	11 37	820	7 12	633	187
23	✓	✓		643	641	644	643	643	644	634	633	673	723	778	814	830	826	798	754	712	679	663	662	660	657	651	635	693	0	12 48	833	7 09	623	210
24			✓	630	630	628	648	645	645	634	639	648	633	657	735	701	726	709	692	668	586	596	607	606	600	611	600	645	1	11 54	828	17 48	567	261
25			✓	625	618	612	621	625	624	613	628	658	699	770	771	769	764	727	681	650	639	612	599	608	610	606	621	656	0	10 42	823	20 05	597	226
26	✓			620	625	629	628	627	629	627	639	664	697	761	788	781	774	752	719	668	632	618	613	615	614	614	618	665	0	12 33	816	19 33	611	205
27				618	622	630	631	628	625	618	623	642	696	732	766	778	773	759	740	695	656	638	634	634	629	621	621	667	0	12 40	792	7 08	612	180
28			✓	629	629	636	637	637	639	645	667	698	740	767	776	768	773	753	718	676	639	584	586	607	598	579	600	666	0	13 53	803	22 55	573	230
29																																		
30																																		
31																																		
MEANS ALL DAYS				632	633	634	637	637	639	643	660	697	740	773	784	772	748	720	692	672	652	637	630	630	630	629	629	673						219
MEANS TEN DAYS ✲				635	636	637	639	639	640	645	664	705	756	797	803	795	771	740	709	683	664	655	646	643	642	642	640	684						202
MEANS FIVE DAYS † (G. M. T.)				641	641	642	642	642	643	644	658	707	769	823	842	837	807	769	725	690	669	653 660	647 655	645	645	643	642	695						
MEANS FIVE DAYS ‡ (G. M. T.)				624	624	628	635	634	632	624	628	657	693	737	774	783	771	752	711	662	624	598	618	619	620	621	616	662						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 228

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1927 — MARCH 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				601	594	608	620	631	633	624	635	675	674	702	730	699	721	723	710	698	667	643	633	634	629	625	623	656	1	11 29	761	1 34	590	171
2	✓	✓		628	627	626	630	631	629	629	661	702	739	749	741	731	704	682	667	664	662	652	644	637	635	634	627	664	0	10 04	762	23 59	623	139
3	✓			627	638	632	631	631	628	639	681	729	800	843	860	840	776	718	681	661	652	642	636	638	639	635	632	687	0	11 58	870	0 12	622	248
4	✓			629	631	637	639	638	637	637	667	730	812	870	901	890	829	756	692	658	642	636	639	639	637	636	637	697	0	11 55	904	1 29	628	276
5	✓			640	642	646	648	650	646	637	659	726	790	853	857	834	779	726	659	625	621	631	627	630	635	634	634	685	0	11 32	883	17 10	616	267
6	✓			630	636	642	639	637	643	645	673	711	773	807	796	803	792	750	704	670	639	629	624	621	621	619	637	681	0	10 54	833	19 58	616	217
7	✓			633	633	634	638	642	642	640	651	690	745	788	809	805	770	743	686	652	646	641	635	631	633	637	635	677	0	11 22	821	20 56	629	192
8				635	635	637	637	642	647	649	667	709	761	789	808	808	788	757	724	679	643	615	600	611	597	578	592	675	0	10 59	815	22 31	573	242
9			✓	605	603	601	606	615	621	606	619	627	728	765	781	739	727	717	696	651	623	576	593	591	585	583	579	643	1	10 32	820	23 22	562	258
10				588	596	606	613	609	617	609	595	629	712	767	779	777	749	708	667	648	641	632	629	621	629	613	612	652	1	10 58	832	7 28	572	260
11				613	621	625	627	623	622	622	629	654	715	766	794	798	765	738	689	645	638	634	629	630	631	627	623	665	0	12 42	824	0 13	611	213
12				626	628	621	621	626	629	628	640	678	741	778	794	778	765	741	712	681	657	640	637	626	618	610	608	670	0	11 25	834	23 30	599	235
13				617	622	619	616	616	626	612	631	676	726	739	747	745	722	702	688	680	653	637	624	616	605	600	605	655	0	9 45	755	23 02	595	160
14				616	614	620	624	629	632	637	640	669	745	723	697	699	679	687	683	678	666	647	631	615	613	612	625	653	1	10 06	792	22 29	607	185
15				618	618	619	629	633	641	642	667	713	749	771	785	751	(737	703	689)	647	624	604	620	627	628	643	609	665	1	11 34	807	23 49	590	217
16			✓	587	585	605	609	598	620	619	629	678	720	741	721	712	645	629	620	589	573	573	579	571	581	593	590	624	1	12 47	794	20 44	567	227
17			✓	592	593	613	615	605	602	597	628	687	759	803	823	800	686	640	607	577	558	562	570	587	586	585	586	636	1	11 02	866	19 00	537	329
18				596	597	599	603	603	604	604	633	676	733	763	778	784	734	718	676	653	627	618	625	619	612	614	611	653	1	12 25	826	0 02	590	236
19				606	611	617	619	621	622	616	628	669	715	771	775	772	724	692	679	657	644	638	631	626	626	615	610	658	0	10 44	795	0 15	603	192
20				615	617	613	620	624	633	633	654	704	725	732	765	767	748	731	675	656	632	609	605	616	613	611	609	659	0	10 49	797	19 32	600	197
21	✓			612	614	615	616	618	615	619	658	712	764	797	796	772	730	701	670	663	657	643	632	626	626	624	619	667	0	10 52	804	0 01	610	194
22		✓		622	626	625	628	628	628	633	675	740	815	843	837	785	736	□			□	[654]	644	636	634	631	626		0	11 15	848	23 50	618	230
23	✓	✓		622	630	636	638	637	635	639	684	736	798	858	886	884	840	775	723	684	653	643	640	638	635	632	629	699	0	11 50	895	0 32	622	273
24	✓	✓		627	628	632	635	638	634	624	636	686	750	803	823	826	798	755	713	682	663	652	648	646	643	641	643	684	0	12 12	831	6 49	620	211
25	✓	✓		643	646	650	653	654	656	657	665	702	738	774	800	812	789	768	734	704	678	659	629	603	627	616	623	687	0	12 50	839	20 24	600	239
26				628	627	624	636	636	625	618	634	634	666	666	682	665	664	665	666	641	610	588	569	563	570	588	600	628	1	11 18	716	20 51	558	158
27			✓	605	614	618	621	629	629	628	634	669	745	778	727	736	758	714	645	632	603	555	555	602	587	587	578	644	1	10 09	829	18 34	539	290
28			✓	571	608	608	614	618	607	605	604	606	682	697	710	705	685	650	641	643	632	627	622	601	604	611	611	632	1	9 57	741	7 58	561	180
29				621	613	614	621	624	624	640	681	721	761	790	785	752	712	685	660	669	656	634	621	615	614	621	627	665	0	10 55	828	1 47	611	217
30				629	628	629	636	640	636	640	647	578	722	744	770	765	732	691	657	646	644	624	629	635	630	619	629	662	0	12 30	794	22 57	613	181
31				640	640	638	635	634	638	646	671	708	758	795	788	827	787	724	690	661	647	640	638	634	622	624	616	679	0	12 30	852	23 59	608	244
MEANS ALL DAYS a)				617	620	623	626	628	629	628	647	686	742	774	784	776	744	713	680	656	638	624	620	618	617	616	615	663						a) 222
MEANS TEN DAYS *				629	632	635	637	638	636	637	664	712	771	814	827	820	781	737	693	666	651	643	635	631	633	631	632	683						226
MEANS FOUR DAYS (G. M. T.) † b)				630	633	636	639	640	638	637	662	706	756	796	812	813	783	745	709	684	664	648 652	641 640	638	635	632	630	684						
MEANS FIVE DAYS (G. M. T.) ‡				592	601	609	613	613	616	611	623	653	727	757	752	738	700	670	642	618	598	579	585	595	593	598	594	636						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day March 22 b) Omitting incomplete Greenwich day March 22

TABLE 229

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1927 — APRIL 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				628	633	627	626	626	625	631	652	702	760	771	779	766	727	691	660	645	627	618	626	629	623	618	621	663	0	9 47	794	0 11	607	187
2				622	629	627	628	633	633	633	653	687	728	770	783	787	751	717	691	674	650	615	607	618	620	619	624	667	0	12 28	813	19 14	599	214
3	✓			620	624	626	633	639	637	635	657	700	756	774	779	752	730	693	667	654	646	643	644	643	640	636	636	669	0	11 44	789	0 09	619	170
4				634	630	639	637	644	641	645	667	715	756	787	800	808	733	682	643	631	636	632	620	620	626	620	619	669	1	12 16	841	21 13	610	231
5				623	623	628	624	631	631	617	623	658	733	783	840	847	795	739	677	647	630	620	614	617	618	625	620	669	0	12 02	872	7 09	609	263
6	✓			623	630	630	630	643	638	627	634	684	749	809	851	846	806	758	708	668	652	641	638	635	632	629	627	683	0	12 00	862	0 01	622	240
7				630	629	629	628	635	637	640	657	701	732	786	792	787	738	701	660	637	621	605	585	576	570	580	592	656	0	11 21	803	22 01	566	237
8				613	604	600	598	604	616	584	553	559	596	677	730	738	748	718	687	653	634	634	626	624	623	620	618	636	1	11 40	767	8 35	530	237
9			✓	621	624	627	639	642	634	614	628	632	665	723	686	688	719	716	681	639	610	596	593	581	584	593	595	639	1	10 18	760	20 41	577	183
10				607	607	610	620	618	629	623	598	609	658	702	734	744	742	731	703	683	662	645	636	631	626	615	604	652	1	12 43	766	8 04	576	190
11			✓	578	572	593	604	603	601	622	641	664	713	707	727	612	612	654	665	656	621	595	605	592	593	593	597	626	1	10 17	771	12 48	526	245
12			✓	598	603	611	611	616	621	631	653	690	723	765	792	765	743	707	681	667	651	630	624	627	624	623	618	661	1	11 14	834	1 09	594	240
13				617	627	629	629	628	627	632	667	721	773	795	792	766	739	715	694	682	656	655	669	647	642	642	620	678	1	10 34	802	0 51	616	186
14			✓	654	614	571	607	579	567	504	482	554	547	600	656	636	640	631	616	598	582	565	564	577	564	568	582	586	2	11 11	766	6 58	444	322
15				572	582	586	587	586	595	603	636	654	723	743	744	747	715	681	657	642	627	611	607	604	606	602	602	638	1	12 04	756	0 49	570	186
16	✓			600	603	607	609	608	608	610	634	672	720	764	789	781	730	690	653	644	634	619	615	614	613	612	612	652	0	11 39	793	0 10	599	194
17	✓	✓		612	612	614	615	614	612	612	629	681	748	787	810	791	742	693	674	662	646	633	628	625	621	619	619	662	0	11 16	813	5 58	610	203
18	✓	✓		624	624	624	628	629	628	629	656	691	730	788	802	804	767	718	668	(649)	647	635	632	628	626	621	624	670	0	12 13	807	22 32	619	188
19	✓			624	627	629	625	639	641	637	652	689	743	786	815	803	766	718	677	657	640	624	620	622	619	619	625	671	0	11 53	820	22 21	615	205
20	✓	✓		630	632	631	631	635	635	631	639	681	741	800	819	803	760	725	689	674	658	648	642	641	635	628	628	676	0	12 10	826	22 46	624	202
21	✓	✓		632	633	635	637	638	639	633	636	673	717	758	780	774	738	699	675	664	654	645	640	639	637	634	634	668	0	11 34	787	6 27	630	157
22	✓	✓		634	636	638	640	642	643	640	651	689	735	782	808	805	767	725	693	675	665	656	652	649	646	644	643	682	0	11 58	818	0 01	634	184
23				645	648	653	656	655	655	670	698	728	807	828	769	757	752	710	654	647	620	610	608	592	601	602	614	674	1	9 57	856	20 37	586	270
24			✓	591	577	592	611	602	613	626	650	679	704	705	709	704	703	687	650	627	602	583	581	596	611	602	597	633	1	9 49	729	20 01	565	164
25				601	615	609	613	618	616	614	609	627	683	715	720	732	Δ				Δ	618	614	614	618	614	614		1	12 03	742	8 01	591	151
26				620	618	619	624	626	626	637	655	Δ											Δ	623	622	619	617							
27				620	625	626	625	624	629	638	651	681	708	738	763	737	709	(685	665)	655	650	641	635	633	632	631	629	660	1	11 17	787	0 12	618	169
28	✓			630	629	630	638	638	643	661	687	721	759	792	805	787	744	703	678	663	656	647	641	640	639	637	637	679	0	11 23	807	0 01	629	178
29				637	640	643	645	650	653	660	687	727	787	805	817	777	729	703	681	671	660	641	627	632	634	619	618	681	1	12 07	826	22 40	612	214
30				617	621	625	632	636	636	642	663	699	738	773	759	733	703	Δ					Δ	643	634	624	630		0	10 42	780			
31																																		
MEANS ALL DAYS a)				619	619	621	624	626	627	625	640	676	723	760	777	763	735	703	672	654	638	625	621	620	619	617	617	659						a) 210
MEANS TEN DAYS *				623	625	626	629	632	632	632	648	688	740	784	806	795	755	712	678	661	650	639	635	634	631	628	628	671						192
MEANS FIVE DAYS (G. M. T.) †				626	627	628	630	632	631	629	642	683	734	783	804	795	755	712	680	665	654	634 643	629 639	628	625	622	624	670						
MEANS FIVE DAYS (G. M. T.) ‡				608	598	599	614	608	607	599	611	644	670	700	714	681	683	679	659	637	613	594	629	617	617	614	611	634						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-seven days only, omitting incomplete days April 25, 26 and 30

TABLE 230

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1927 — MAY 1927

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			642	647	649	648	647	649	652	667	701	742	775	784	771	732	694	677	675	665	659	653	(648	641)	638	632	679	0	11 17	787	23 13	630	157
2				641	646	647	646	646	647	648	669	709	738	757	742	718	685	678	685	674	666	665	660	657	651	638	635	673	0	10 43	770	23 06	627	143
3			✓	628	636	641	645	649	645	649	669	720	729	749	778	714	650	639	628	620	585	560	581	604	608	618	620	649	1	11 59	809	18 37	556	253
4				623	615	616	625	631	634	629	642	679	715	754	771	778	741	700	654	617	601	600	597	575	560	551	535	643	1	12 30	798	23 22	531	267
5			✓	569	557	561	592	578	569	559	551	597	643	693	702	712	699	657	628	602	614	609	602	598	605	608	606	613	1	13 37	728	7 14	539	189
6				610	610	611	616	618	615	610	613	630	675	707	736	748	735	706	665	630	619	623	622	622	622	626	629	646	1	12 31	760	8 12	594	166
7			✓	639	633	635	619	635	645	640	649	608	669	599	640	649	675	671	651	612	584	591	585	612	618	595	603	627	1	9 43	714	10 46	554	160
8				611	614	614	617	618	627	627	639	664	684	731	748	737	737	703	679	650	639	631	624	638	614	616	611	653	1	10 24	786	0 06	606	180
9				612	621	622	622	620	624	639	659	680	722	741	759	702	678	666	653	651	642	625	622	628	626	623	625	653	1	11 18	791	0 01	609	182
10	✓			621	625	627	628	630	634	646	661	679	701	711	711	714	707	698	688	671	656	645	641	638	635	634	633	660	1	11 23	722	0 27	620	102
11	✓	✓		634	639	638	638	638	638	640	654	680	709	742	769	777	769	716	677	656	649	646	646	646	643	641	641	672	0	12 46	785	0 26	633	152
12	✓	✓		640	641	643	645	648	650	667	687	722	756	779	790	777	757	707	673	665	658	653	644	645	646	645	643	683	0	11 21	798	19 37	639	159
13	✓			643	644	645	645	647	650	663	682	713	736	768	780	771	757	727	681	661	657	650	647	640	639	635	632	680	0	11 55	801	23 27	631	170
14				631	631	639	646	646	652	651	670	706	740	767	771	758	730	693	668	665	660	656	646	649	647	660	619	675	0	11 44	781	23 45	616	165
15				617	631	637	625	633	630	644	660	683	724	757	773	726	711	688	667	660	651	646	641	640	639	638	633	665	1	11 10	792	3 48	610	182
16	✓			640	640	634	637	632	644	657	676	717	736	783	758	749	730	691	651	648	635	629	629	634	631	627	626	668	1	10 47	804	23 18	620	184
17		✓		634	637	638	639	641	640	644	664	699	732	752	753	738	707	678	(661	651)	649	643	646	⊼					0	11 16	761			
18		✓										⊼	761	789	789	779	747	719	688	667	652	648	646	645	645	645	654		0	10 54	796			
19				651	651	642	637	638	636	640	651	660	679	748	791	741	738	683	640	621	609	622	626	625	609	618	620	657	1	11 22	802	21 36	599	203
20			✓	632	647	645	646	636	659	627	649	705	698	668	725	712	671	663	642	631	619	619	623	611	628	623	621	650	1	12 13	761	20 30	607	154
21				628	630	632	635	637	641	645	658	692	718	739	755	747	723	691	664	648	633	614	606	621	628	626	628	660	0	11 40	764	19 15	600	164
22	✓			624	625	626	637	636	638	645	663	681	710	745	757	749	731	700	669	655	644	640	641	644	642	641	641	666	0	11 09	763	2 06	620	143
23				646	651	652	652	653	657	666	688	710	742	758	777	766	744	724	695	671	650	644	642	639	632	636	645	681	0	12 14	785	21 25	630	155
24	✓			649	646	646	645	648	654	662	677	687	721	738	755	753	761	747	714	685	660	649	642	639	637	634	637	679	0	11 31	768	22 25	632	136
25	✓			640	645	644	647	652	656	661	663	680	701	728	733	718	704	704	699	676	659	650	654	652	654	653	655	672	1	11 24	741	0 01	638	103
26		✓		655	658	661	663	665	670	687	703	719	739	763	757	747	728	702	686	671	664	659	654	654	652	649	660	686	0	10 26	774	23 29	648	126
27				665	673	678	664	648	652	666	693	721	749	773	763	749	740	724	694	686	674	664	659	655	655	651	650	689	1	10 44	780	4 01	633	147
28			✓	651	642	656	640	636	640	652	687	740	741	745	739	711	659	648	618	601	609	620	622	627	622	629	644	657	1	12 47	793	17 07	595	198
29				641	635	637	638	639	641	658	674	697	711	723	725	719	700	676	655	646	641	634	637	636	633	636	638	661	1	12 27	729	21 40	631	98
30	✓			641	641	642	646	647	646	650	660	688	727	751	760	748	723	692	675	658	648	642	641	643	645	644	642	671	0	11 20	768	19 16	639	129
31				645	646	647	647	646	647	646	657	683	720	749	748	733	705	678	662	642	639	638	638	638	636	642	646	666	0	10 57	756	21 23	634	122
MEANS ALL DAYS a)				633	635	637	638	638	641	646	661	688	716	739	752	738	718	692	667	650	639	634	632	633	631	630	629	663						162 a)
MEANS TEN DAYS ✱				637	639	639	642	642	646	654	669	695	724	752	760	753	737	708	680	665	653	646	644	643	641	639	638	673						144
MEANS FOUR DAYS (G. M. T.) b) †				641	644	645	646	648	650	660	677	705	734	759	767	760	740	701	674	661	655	642 650	642 648	642	641	639	639	676						
MEANS FIVE DAYS (G. M. T.) ‡				624	623	628	628	627	632	625	641	674	696	691	717	700	671	656	633	613	602	600	633	627	619	617	614	641						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
{ } = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days May 17 and 18

b) Omitting incomplete Greenwich day May 18

TABLE 231

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1927

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				646	647	649	652	653	656	668	692	723	765	794	802	808	776	717	667	645	645	646	641	647	637	629	640	685	1	12 47	836	22 27	628	208
2			✓	644	642	648	644	647	648	671	682	696	704	721	725	724	728	705	682	652	645	651	655	648	640	642	633	670	1	11 11	746	23 20	630	116
3				639	642	636	640	645	640	657	680	704	727	740	758	745	731	696	679	667	658	653	652	649	643	641	639	673	1	11 42	773	2 12	630	143
4				642	643	649	651	651	651	660	666	679	703	726	751	763	758	733	694	673	666	666	666	662	654	659	655	680	1	12 58	768	23 59	635	133
5			✓	646	649	632	637	639	646	635	639	647	670	695	713	721	699	686	669	655	605	591	605	615	622	616	621	648	1	12 37	737	17 58	580	157
6	✓			632	630	633	635	640	643	659	676	703	733	755	766	747	715	679	658	652	648	643	641	641	650	646	644	670	0	11 42	768	0 54	628	140
7				645	644	642	641	644	649	669	694	709	727	741	757	758	732	707	683	665	656	653	650	650	649	648	646	677	1	11 50	783	3 27	640	143
8	✓	✓		648	647	648	645	647	651	662	681	708	739	761	761	744	719	691	674	664	657	650	647	648	645	644	635	676	0	11 05	767	23 44	630	137
9	✓			633	635	640	643	646	647	651	663	676	681	698	720	718	699	670	652	652	653	653	651	648	652	653	651	662	0	11 37	726	0 05	630	96
10				649	653	653	653	657	660	663	677	699	714	758	751	764	735	721	695	673	654	644	639	638	648	650	637	679	1	12 14	795	23 57	631	164
11			✓	641	644	644	645	656	656	655	654	673	672	698	736	707	713	707	678	662	645	631	623	634	633	642	652	663	1	11 31	767	9 01	608	159
12			✓	643	632	637	640	660	651	662	673	712	717	730	713	709	704	689	661	639	636	640	642	642	635	636	638	664	1	10 18	762	1 39	629	133
13				646	642	640	640	643	646	663	685	703	723	736	732	721	714	698	680	665	657	653	650	647	648	637	638	671	1	10 19	744	22 48	633	111
14				641	643	643	636	643	646	665	684	709	724	737	736	724	705	686	666	650	644	648	646	648	649	652	650	670	0	10 56	745	3 28	633	112
15				644	649	655	666	667	667	667	684	704	743	765	767	748	727	710	685	650	642	642	644	649	648	647	658	680	1	11 19	774	17 03	637	137
16				657	658	655	660	664	667	678	693	709	736	754	763	750	732	704	675	667	664	658	652	651	650	653	655	684	0	11 32	768	21 40	649	119
17				658	660	667	667	662	659	664	669	683	(709	736)	742	742	735	709	670	646	639	640	641	642	640	645	644	674	0	11 46	753	19 18	637	116
18				646	648	647	648	650	653	663	678	701	718	739	751	744	721	693	670	655	644	637	637	633	636	635	641	670	0	12 08	755	19 12	631	124
19	✓	✓		642	640	646	647	649	651	658	666	674	681	697	707	707	706	(688	672)	665	655	651	649	647	646	647	648	664	0	11 45	710	0 49	639	71
20	✓	✓		649	651	654	658	658	657	670	684	698	725	747	762	767	757	725	693	670	653	648	645	648	641	639	639	681	0	12 15	770	23 32	638	132
21		✓		643	647	650	653	654	655	661	673	690	707	732	739	735	710	689	672	670	663	653	656	654	648	645	641	672	0	12 00	744	23 54	637	107
22				638	640	650	650	650	655	664	676	704	708	689	690	684	674	663	655	654	653	648	645	643	644	645	650	661	1	9 26	713	0 37	635	78
23	✓			650	646	650	659	653	655	667	689	705	719	725	730	724	717	697	685	672	654	648	651	651	648	652	653	675	1	11 36	735	1 33	644	91
24	✓	✓		651	651	652	657	660	662	664	664	672	697	716	738	753	744	728	702	678	664	663	660	656	652	646	646	678	0	12 30	757	22 32	644	113
25	✓			647	648	653	660	664	669	675	684	692	710	723	744	741	722	701	690	683	667	658	657	657	653	657	659	680	1	11 34	752	0 22	645	107
26			✓	665	668	668	686	678	675	682	717	729	736	758	731	724	712	694	672	618	601	618	626	626	625	622	642	674	1	10 46	780	17 33	592	188
27				630	623	628	637	637	639	652	672	684	691	694	710	722	719	696	669	647	641	639	635	634	637	638	643	659	1	13 13	732	1 27	622	110
28	✓			641	637	635	635	636	638	649	667	682	695	716	741	745	721	702	680	656	643	638	632	624	626	629	635	663	0	12 08	754	20 48	622	132
29	✓			630	638	639	639	639	643	649	662	691	725	747	756	746	708	671	650	643	636	632	629	628	627	628	636	662	0	11 43	763	21 37	626	137
30				640	637	638	642	647	650	664	678	699	737	766	767	767	750	742	709	684	674	644	627	625	629	635	638	679	1	10 09	785	20 00	618	167
31																																		
MEANS ALL DAYS				644	644	646	649	651	653	662	677	695	715	733	742	738	723	700	676	659	649	645	643	643	642	642	644	671						129
MEANS TEN DAYS ✱				642	642	645	648	649	652	660	674	690	710	728	742	739	721	695	676	664	653	648	646	645	644	644	645	671						116
MEANS FIVE DAYS † (G. M. T.)				647	647	650	652	654	655	663	674	688	710	731	741	741	727	704	683	669	658	647 653	646 651	646	644	644	645	674						
MEANS FIVE DAYS ‡ (G. M. T.)				648	647	646	650	656	655	661	673	691	700	720	724	717	711	696	672	645	626	626	645	648	645	647	649	667						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 232

HORIZONTAL INTENSITY

JULY 1927 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JULY 1927

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	642	647	636	639	645	639	658	673	656	684	737	737	720	692	680	658	642	636	634	627	624	626	630	634	658	1	10 48	773	20 11	621	152
2				634	635	637	636	635	642	656	679	711	748	778	753	732	714	673	652	631	629	630	631	630	627	630	628	665	1	10 41	785	23 59	620	165
3	✓	✓		621	630	632	632	633	634	651	670	687	700	694	687	675	670	674	668	660	645	638	637	637	637	641	642	654	1	9 09	712	0 18	619	93
4	✓			641	639	639	641	642	640	643	662	682	716	734	750	745	727	712	685	650	646	643	639	631	620	628	635	666	1	12 18	754	21 04	616	138
5				638	638	640	642	644	648	667	695	715	716	747	752	738	715	694	673	662	653	650	644	639	640	650	652	673	1	10 54	760	0 01	634	126
6				643	642	637	639	640	645	658	687	701	727	744	757	753	732	682	666	660	651	640	639	642	644	649	647	672	1	12 18	775	3 01	633	142
7			✓	650	650	647	640	625	634	617	615	601	643	682	690	699	687	658	648	643	646	644	643	640	636	633	625	646	1	12 06	726	8 32	577	149
8				628	661	639	636	638	638	648	670	683	689	697	704	700	699	692	684	662	644	636	635	635	633	632	632	659	1	11 42	717	0 03	617	100
9	✓			639	635	635	637	637	639	652	672	687	704	716	721	710	694	680	661	645	638	637	639	638	637	635	637	659	0	11 45	724	0 16	630	94
10		✓		638	639	639	641	643	646	658	670	684	704	723	741	751	727	700	677	660	651	646	638	641	642	642	640	668	0	12 20	753	0 30	637	116
11				635	632	636	646	649	651	646	671	687	692	706	708	705	699	688	674	661	656	651	649	644	641	635	635	662	0	11 08	718	1 29	630	88
12	✓			641	641	638	639	641	644	649	669	687	710	728	741	745	731	715	689	662	648	647	648	645	645	647	646	671	0	12 22	748	0 30	636	112
13				645	647	649	651	652	653	655	665	688	710	728	738	743	750	718	693	662	648	642	637	644	640	630	628	672	1	13 33	754	23 07	625	129
14	✓			636	641	643	647	651	651	659	670	690	712	728	736	729	724	694	679	666	653	650	650	650	649	649	648	671	0	11 44	738	0 01	633	105
15	✓	✓		646	650	647	649	649	653	661	674	695	706	715	715	723	715	696	(674	658)	654	650	648	646	645	647	647	669	0	12 40	728	1 05	644	84
16	✓	✓		647	647	646	648	648	655	669	683	702	726	745	757	747	723	685	660	651	651	660	649	650	657	664	659	676	0	11 10	760	2 02	646	114
17				653	646	614	627	632	635	649	676	693	(708	706)	702	685	644	633	640	647	642	638	638	636	633	638	641	652	1	9 27	721	2 30	611	110
18				643	646	650	648	641	647	663	682	711	744	774	785	778	749	714	676	653	647	645	642	642	641	642	644	679	1	12 09	792	0 22	637	155
19				646	645	647	649	652	651	656	672	699	724	766	738	696	684	661	659	656	637	639	639	640	640	640	640	666	1	10 39	791	23 59	634	157
20				630	627	637	643	641	645	645	667	664	675	702	704	706	684	665	662	658	645	642	654	648	645	642	642	657	1	12 08	720	1 36	623	97
21			✓	648	650	640	639	643	646	655	660	662	676	691	724	735	(725)	706	680	694	688	655	611	616	745	582	465	660	2	21 51	823	22 58	428	395
22			✓	558	505	491	569	596	599	615	603	603	626	549	530	609	629	621	601	594	593	582	580	582	585	585	588	583	2	9 09	691	11 22	473	218
23			✓	588	589	591	592	593	595	594	616	630	651	682	703	682	682	659	623	600	600	597	595	598	598	602	595	619	1	11 57	715	6 25	583	132
24				604	606	605	610	607	608	619	627	656	686	700	715	718	685	670	623	606	602	606	610	608	606	603	620	633	1	12 43	733	0 06	594	139
25				614	608	610	611	612	617	621	627	647	662	678	688	688	683	671	646	629	616	615	613	604	608	606	607	633	0	11 55	698	20 34	602	96
26				613	620	621	621	622	622	631	646	660	679	693	713	702	683	657	649	656	635	613	618	613	611	606	612	642	1	11 26	722	22 55	604	118
27				622	630	627	622	623	633	639	632	645	649	699	714	736	709	677	643	624	607	614	617	612	612	607	611	642	1	12 31	748	23 06	602	146
28	✓			622	618	622	626	628	633	642	655	666	691	714	725	729	709	680	656	643	634	631	631	625	627	628	627	653	0	11 57	736	1 30	616	120
29	✓	✓		629	631	633	634	636	640	656	677	694	712	730	748	753	741	721	687	655	638	631	629	630	630	628	628	666	0	12 26	758	23 58	622	136
30	✓			627	628	629	627	623	626	634	653	676	698	722	740	738	720	689	665	638	623	623	623	624	622	624	626	654	0	11 40	746	21 19	620	126
31				629	631	628	633	630	624	632	645	667	679	699	712	718	702	687	662	641	628	622	615	617	618	621	621	648	1	12 43	731	20 34	613	118
MEANS ALL DAYS				631	631	629	633	634	637	645	660	675	695	713	720	719	704	682	662	647	638	634	631	630	634	629	626	656						135
MEANS TEN DAYS ✲				635	636	636	638	639	642	652	668	687	708	723	732	729	715	695	672	653	643	641	639	638	637	639	640	664						112
MEANS FIVE DAYS (G. M. T.) †				636	639	639	641	642	646	659	675	692	710	721	730	730	715	695	673	657	648	640 645	640 640	638	637	638	637	666						
MEANS FIVE DAYS (G. M. T.) ‡				617	608	601	616	620	623	628	633	630	656	668	677	689	683	665	642	635	633	622	622	623	650	619	596	636						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 233

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1927 — AUGUST 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				621	620	623	626	624	624	628	638	663	708	731	714	663	671	654	635	612	594	606	605	607	604	604	617	637	1	10 09	752	17 42	587	165
2				615	624	610	613	630	627	626	634	646	676	699	706	718	702	681	664	649	641	625	602	604	602	604	608	642	1	11 09	738	21 55	594	144
3				615	617	616	614	616	627	636	643	673	701	731	753	751	723	696	664	640	623	622	623	618	625	609	612	652	1	11 05	758	0 01	606	152
4				622	630	624	624	631	631	629	635	662	696	715	737	735	715	688	655	631	621	616	621	621	631	625	633	651	1	11 10	762	18 22	613	149
5				632	631	633	629	632	633	633	641	673	677	686	740	715	690	653	634	626	612	617	617	622	621	624	626	646	1	11 34	757	17 38	608	149
6		✓		621	623	625	625	628	632	635	641	650	663	679	704	720	730	718	685	655	639	634	628	625	627	627	635	652	0	13 04	734	0 36	618	116
7	✓	✓		628	636	627	631	635	635	643	652	671	705	746	755	736	705	668	643	636	638	635	633	633	634	634	634	658	1	11 14	766	0 53	625	141
8				633	631	628	630	629	632	632	625	624	662	680	713	704	688	669	648	637	634	635	634	634	634	626	623	645	1	11 48	730	23 59	617	113
9				616	636	625	622	629	634	647	676	705	728	740	744	740	731	701	668	642	637	639	635	635	636	639	636	664	1	11 17	747	0 23	614	133
10				634	628	625	628	629	633	646	657	671	682	683	708	718	707	680	651	639	630	623	617	611	611	621	627	648	1	12 28	723	20 54	607	116
11	✓			625	628	633	633	636	641	660	678	694	707	721	724	724	702	656	629	623	630	634	630	628	624	623	618	654	1	12 31	730	23 14	614	116
12	✓			614	626	630	634	637	643	658	677	697	720	739	738	737	724	694	665	642	633	631	630	632	634	635	635	663	0	11 01	749	0 33	611	138
13	✓	✓		636	638	637	640	640	640	642	658	678	707	732	752	756	734	697	675	652	641	639	637	634	631	631	633	665	0	12 17	763	22 05	630	133
14				640	641	643	645	648	650	652	665	687	710	730	740	734	714	684	665	651	644	643	638	637	630	637	645	666	0	11 37	750	21 46	628	122
15				651	654	651	657	653	651	671	685	699	721	741	750	753	751	728	695	667	647	630	631	638	643	648	645	678	1	12 08	761	18 57	625	136
16				646	646	644	658	649	650	654	661	667	682	688	703	722	(716	706)	689	668	651	640	636	636	631	631	636	663	1	12 52	725	22 03	630	95
17	✓			638	641	642	643	643	645	650	660	685	723	761	790	785	761	728	687	655	640	635	636	637	634	633	636	674	0	11 56	797	19 02	628	169
18	✓			637	638	639	640	644	646	651	656	672	697	728	742	747	745	(724	701)	677	657	649	648	643	642	642	640	671	0	13 04	750	0 02	636	114
19			✓	640	641	644	644	644	650	664	705	711	718	738	755	751	753	738	707	679	662	645	653	652	653	606	633	679	1	11 32	767	22 26	581	186
20			✓	635	639	639	588	602	593	588	635	671	722	764	766	759	688	654	664	582	528	484	525	512	493	516	563	617	2	10 48	788	22 00	468	320
21			✓	638	627	610	617	568	559	560	589	604	641	677	689	666	636	614	603	597	589	581	590	586	592	587	591	609	2	10 56	737	0 26	549	188
22				586	588	588	592	594	593	609	632	661	699	719	739	726	710	679	635	621	607	600	606	606	607	605	602	634	1	11 28	749	0 51	585	164
23				600	599	602	604	605	608	616	621	644	676	710	731	732	720	(692	652)	636	619	611	606	599	605	612	616	638	1	11 48	745	20 37	596	149
24	✓			616	615	616	616	621	623	640	658	680	703	733	742	736	708	679	650	640	626	624	624	622	623	623	625	652	0	11 55	757	1 35	614	143
25	✓	✓		626	627	626	628	629	632	644	659	682	699	719	732	727	708	677	652	635	629	627	628	621	619	621	624	653	0	11 50	739	21 25	617	122
26	✓	✓		626	623	625	627	630	637	645	655	676	704	737	761	765	753	724	695	668	647	640	640	639	638	637	636	668	0	12 28	770	1 00	622	148
27	✓			636	638	637	639	647	651	668	701	730	770	803	815	796	775	737	693	657	643	637	640	634	633	634	635	685	0	11 38	821	20 51	630	191
28				635	634	639	638	635	635	645	667	699	730	745	758	757	752	738	705	674	653	645	683	646	619	609	606	673	1	11 47	763	22 45	597	166
29			✓	613	610	619	624	630	647	649	658	679	711	758	816	778	715	637	601	589	592	593	591	593	599	610	613	647	1	11 29	835	16 49	578	257
30			✓	602	594	603	603	606	590	583	572	602	644	639	666	650	653	653	634	617	605	593	592	594	591	593	594	611	1	12 29	708	7 51	558	150
31				602	609	608	607	607	615	613	625	645	680	718	742	747	711	669	617	596	599	611	602	593	595	603	608	634	1	12 38	755	20 34	590	165
MEANS ALL DAYS				625	627	626	626	627	629	636	650	671	699	722	740	734	716	688	660	638	626	621	622	619	618	618	622	653						153
MEANS TEN DAYS *				628	631	631	633	636	639	650	665	686	714	742	755	751	732	698	669	648	638	635	635	632	631	631	632	664						142
MEANS FIVE DAYS † (G. M. T.)				627	629	628	630	632	635	642	653	671	696	723	741	741	726	697	670	649	639	627 635	625 633	624	625	626	629	658						
MEANS FIVE DAYS ‡ (G. M. T.)				626	622	623	615	610	608	609	632	653	687	715	738	721	689	659	642	613	595	579	620	609	601	597	611	636						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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⊼ = NO RECORD

TABLE 234

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1927 — SEPTEMBER 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				612	599	604	604	600	606	621	657	671	698	709	713	713	689	669	639	604	596	602	601	599	593	592	597	633	1	12	03 764	22	10 588	176
2	✓			602	604	602	611	614	611	613	620	640	675	694	706	699	687	655	642	633	621	611	604	598	605	607	606	632	0	11	05 721	20	33 596	125
3				607	603	616	613	612	610	618	626	635	670	684	709	730	702	656	627	618	607	613	601	588	594	595	605	631	1	12	32 738	20	22 578	160
4			✓	608	601	604	607	608	604	607	622	640	676	656	674	659	648	630	641	621	606	597	597	595	602	601	602	621	1	13	14 730	23	59 580	150
5				592	579	590	598	599	604	611	611	630	658	674	695	702	704	707	676	644	625	618	619	616	614	614	613	633	1	14	26 713	1	13 573	140
6			✓	616	624	624	633	630	635	655	648	659	681	722	754	774	750	741	719	690	639	626	628	626	623	603	584	662	1	11	46 842	23	31 562	280
7			✓	601	612	604	611	618	618	610	617	642	672	669	706	728	(706	682)	645	618	599	595	595	616	611	611	615	633	1	12	14 747	19	25 583	164
8				610	599	614	616	620	622	635	665	680	727	737	692	715	709	696	689	668	636	606	589	574	582	605	613	646	1	12	14 779	20	36 566	213
9			✓	605	612	620	614	626	623	631	656	676	688	742	699	725	706	666	631	597	605	602	614	590	591	598	602	638	1	10	05 754	21	56 585	169
10			✓	601	601	611	610	613	623	639	662	701	679	683	712	685	743	664	645	609	572	575	592	598	593	598	596	634	2	13	55 795	17	02 553	242
11				603	616	608	606	611	617	626	640	663	685	728	738	734	731	690	668	631	606	611	611	603	605	608	610	644	1	11	39 761	21	10 597	164
12				619	622	619	621	624	629	640	660	696	733	750	762	761	720	690	672	650	630	627	619	616	623	625	618	659	0	12	09 771	23	27 608	163
13				624	615	621	631	626	625	640	685	721	775	797	811	759	719	691	670	636	611	609	616	618	612	626	613	665	1	11	45 824	17	24 606	218
14				613	613	615	619	618	620	643	685	742	783	799	807	795	768	729	694	643	598	607	606	618	610	606	610	668	0	11	35 817	17	54 592	225
15	✓			614	612	616	622	624	620	629	650	704	739	787	790	803	790	754	709	661	635	625	627	632	624	623	624	671	0	12	22 811	1	17 609	202
16	✓	✓		624	624	627	629	630	633	640	660	678	727	759	786	785	772	736	687	659	644	635	631	627	622	621	630	669	0	11	23 794	22	07 617	177
17	✓	✓		623	625	628	628	632	634	636	644	679	729	753	774	772	754	723	693	661	635	630	632	630	629	628	625	667	0	11	42 781	23	06 622	159
18	✓			628	631	631	633	637	636	635	643	675	714	(757	762)	756	758	747	711	664	632	628	629	620	606	608	623	665	0	[13	30 768]	21	59 599	[169]
19	✓			625	623	623	626	630	630	622	628	638	680	721	744	748	731	714	688	665	645	635	633	632	632	626	623	657	0	12	14 754	7	01 614	140
20	✓			631	626	625	629	629	632	632	661	708	738	783	772	759	710	701	680	660	635	622	623	622	615	619	624	664	1	10	09 805	21	03 608	197
21	✓			625	627	640	636	635	638	650	682	722	761	788	786	762	730	700	673	655	632	635	631	632	628	625	627	672	0	10	40 797	1	34 619	178
22		✓		628	629	629	632	632	628	623	639	688	747	788	800	772	739	693	660	646	637	632	631	630	627	626	626	666	0	11	18 810	6	46 622	188
23		✓		625	626	627	629	629	625	632	657	699	750	793	795	761	731	705	681	669	642	634	636	636	636	630	627	670	0	11	34 802	0	54 625	177
24	✓	✓		631	631	635	637	639	631	622	643	681	717	767	788	772	740	719	690	660	633	628	623	618	618	616	618	665	0	11	25 797	22	12 616	181
25				624	628	632	637	634	627	623	637	684	726	745	764	756	749	680	655	643	607	614	619	588	590	614	605	653	1	11	40 780	21	25 567	213
26				604	611	619	621	619	616	631	657	696	743	762	792	782	737	712	670	647	624	618	615	614	614	616	617	660	1	12	10 817	0	05 598	219
27				618	621	623	626	629	630	634	668	719	785	829	830	799	750	678	654	633	619	616	610	607	608	610	624	668	1	11	03 843	20	07 603	240
28	✓			622	612	617	621	625	623	617	635	679	720	761	772	760	739	702	669	646	627	618	610	609	618	616	615	656	0	11	49 780	20	47 605	175
29				617	621	618	622	621	631	623	639	672	739	732	744	730	714	688	660	626	606	617	619	621	620	617	617	651	1	9	37 777	17	47 603	174
30				624	627	632	635	633	635	639	660	685	735	777	779	740	695	668	630	615	617	(616)	617	618	617	612	617	655	1	11	55 793	16	28 610	183
31																																		
MEANS ALL DAYS				616	616	619	622	623	624	629	649	680	718	745	755	748	727	696	669	642	621	617	616	613	612	613	614	654						185
MEANS TEN DAYS ✲				622	622	624	627	630	629	630	647	680	720	757	768	762	741	715	684	656	634	627	624	622	620	619	622	662						170
MEANS FIVE DAYS † (G. M. T.)				626	627	629	631	632	630	631	649	685	734	772	789	772	747	715	682	659	638	632 632	631 631	631	627	625	627	668						
MEANS FIVE DAYS ‡ (G. M. T.)				606	610	613	615	619	621	628	641	664	679	694	709	714	711	677	656	627	604	599	610	599	601	603	603	638						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 235

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		618	618	618	618	623	624	616	627	672	728	770	785	764	728	698	670	651	643	639	632	631	626	626	621	660	0	11 21	792	6 45	613	179
2				621	623	619	624	629	627	633	664	707	756	786	790	772	717	693	669	611	588	597	608	611	595	600	606	656	1	11 30	805	17 08	580	225
3				620	612	612	616	619	619	622	640	677	718	741	745	734	707	688	658	642	636	628	633	632	629	628	629	654	0	11 11	750	0 01	607	143
4	✓	✓		623	623	621	624	630	631	632	664	712	762	797	809	785	734	700	670	650	640	638	637	636	637	636	636	672	0	11 04	817	0 54	618	199
5				637	640	639	642	641	634	641	673	722	781	836	847	786	745	707	669	649	625	607	606	603	593	600	604	672	1	11 12	860	21 15	588	272
6				616	610	601	619	629	628	614	663	727	771	793	785	743	692	663	650	644	638	631	627	625	622	623	618	660	1	10 37	799	2 18	600	199
7				619	620	622	626	621	631	615	615	702	767	744	771	784	726	642	587	541	517	540	529	548	549	548	563	626	1	12 04	813	17 44	508	305
8				574	578	591	603	611	604	581	598	644	706	744	745	729	709	681	664	659	647	640	634	628	625	621	617	643	1	10 58	753	0 01	567	186
9				615	616	616	618	619	612	607	645	710	772	789	780	714	663	655	674	668	611	600	606	607	605	611	610	651	1	10 52	813	18 46	594	219
10			✓	610	615	619	641	615	606	599	641	757	750	814	780	744	729	680	646	627	610	610	606	605	606	605	607	655	2	11 57	850	6 48	576	274
11				609	609	608	606	616	600	600	654	737	786	819	800	753	704	665	642	632	628	620	620	614	619	604	604	656	1	10 38	859	6 08	589	270
12			✓	611	611	608	610	613	604	571	530	406	434	582	567	596	592	595	502	499	499	533	510	524	522	528	532	549	2	13 03	768	8 19	234	534
13			✓	544	560	553	560	555	559	551	585	680	681	784	760	699	689	662	626	598	583	578	573	573	573	579	589	612	2	10 04	869	0 06	531	338
14				584	582	581	584	585	580	583	623	691	760	806	820	797	758	698	641	613	597	597	599	589	589	595	595	644	0	11 24	823	5 51	577	246
15	✓			598	600	600	598	600	598	597	635	702	778	840	844	803	735	680	638	618	606	603	600	609	610	609	609	655	0	10 55	860	6 14	592	268
16	✓			610	609	614	616	616	612	602	625	683	751	(816	841)	848	799	733	667	628	616	621	619	612	609	605	612	665	1	12 22	872	6 36	597	275
17	✓	✓		612	611	612	615	618	618	618	648	696	749	788	806	806	772	712	671	640	629	626	622	619	619	617	618	664	0	11 40	816	1 33	611	205
18	✓			620	621	623	622	623	624	621	644	693	736	773	785	799	780	740	687	637	617	621	618	611	608	608	610	663	0	12 17	806	22 35	607	199
19				614	618	619	619	630	629	627	638	683	693	718	737	735	740	706	663	652	635	626	625	623	623	625	625	654	0	12 23	752	0 01	613	139
20	✓			623	621	619	626	628	627	628	653	679	715	737	758	734	698	677	657	646	641	635	634	634	633	633	630	657	0	11 20	763	2 13	616	147
21	✓	✓		628	630	633	634	634	632	639	670	695	736	762	762	744	727	694	664	646	639	636	638	634	631	629	626	665	0	11 01	779	23 57	624	155
22			✓	626	669	767	686	598	565	558	556	614	619	640	674	664	635	604	584	583	588	579	571	550	546	541	548	607	2	2 26	846	7 38	483	363
23			✓	588	610	581	599	569	576	611	650	695	724	696	651	649	621	602	601	588	573	577	589	572	555	556	568	608	2	9 42	740	22 09	548	192
24				566	576	580	578	578	580	605	661	724	765	807	780	748	684	620	593	584	578	584	589	586	582	535	589	630	1	10 59	815	0 13	562	253
25				586	587	590	591	592	596	615	651	712	756	771	761	712	657	633	594	584	575	592	(600)	594	593	592	587	630	0	11 02	793	17 14	571	222
26				591	591	601	601	601	596	602	639	694	728	748	744	730	701	647	633	617	612	614	611	610	607	606	607	639	1	11 29	781	1 06	586	195
27				607	609	610	610	611	609	611	642	686	723	738	745	721	687	646	630	618	614	614	620	619	615	609	617	642	0	10 58	751	6 03	604	147
28	✓			614	611	610	612	614	614	615	637	673	700	698	685	681	674	667	649	635	632	628	622	621	624	617	617	640	0	10 17	716	2 15	609	107
29				617	617	618	621	624	621	619	656	703	743	761	758	732	711	670	651	607	616	629	627	608	595	608	601	651	0	10 22	769	21 09	586	183
30				604	612	622	616	616	619	636	672	732	763	788	780	746	699	649	623	605	606	615	619	618	622	618	616	654	1	11 11	802	17 03	599	203
31	✓	✓		616	614	615	619	627	624	624	658	715	767	798	798	773	737	695	653	631	630	632	628	624	624	624	625	665	0	10 42	805	2 01	613	192
MEANS ALL DAYS				607	610	614	615	612	610	609	637	688	730	764	764	743	708	671	640	619	609	609	608	605	603	603	604	645						227
MEANS TEN DAYS ✲				616	616	616	618	621	620	619	646	692	742	778	787	774	738	700	663	638	629	628	625	623	622	620	620	661						193
MEANS FIVE DAYS † (G. M. T.)				619	619	620	622	626	626	626	653	698	748	783	792	774	740	700	666	644	636	623 634	624 631	623	622	619	621	664						
MEANS FIVE DAYS ‡ (G. M. T.)				596	613	626	619	590	582	578	592	630	642	703	686	670	653	629	592	579	571	575	589	586	585	583	584	611						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 236

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1927 — NOVEMBER 1927

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			624	623	622	626	629	628	627	651	692	731	751	766	759	740	715	686	661	641	633	632	629	627	625	624	664	0	11 52	775	2 45	621	154
2	✓	✓		626	626	628	627	631	630	632	653	688	708	725	734	722	708	700	688	665	640	630	627	624	622	622	621	657	0	11 21	738	22 55	620	118
3	✓			622	621	621	620	623	622	627	649	691	716	737	744	735	714	699	679	656	641	636	636	634	631	630	631	659	0	11 13	752	3 36	620	132
4	✓			632	630	627	629	635	636	645	670	707	729	734	735	711	701	692	664	638	616	611	620	623	627	627	628	657	1	11 00	748	18 14	607	141
5				627	628	631	633	637	639	640	662	703	736	756	737	710	690	683	675	664	653	644	641	639	638	636	636	664	1	10 44	777	0 01	626	151
6				634	632	628	630	637	643	652	679	692	702	686	660	651	660	678	686	680	659	649	644	644	642	639	639	656	1	10 02	707	2 57	627	80
7	✓	✓		638	637	638	640	642	644	652	681	718	743	745	738	720	702	684	675	663	648	643	643	641	640	640	639	669	0	9 51	750	1 57	637	113
8				647	640	629	638	640	647	666	697	730	752	746	726	703	680	674	666	666	652	640	639	634	633	634	636	667	1	9 48	763	2 06	622	141
9				633	634	634	633	637	641	666	707	752	788	777	778	733	699	680	668	660	663	656	651	647	642	642	635	677	1	11 11	806	2 59	630	176
10				635	631	630	630	629	634	653	689	721	754	758	744	720	687	651	643	644	642	638	638	640	633	629	628	663	1	10 20	763	4 09	627	136
11				630	628	626	627	628	628	631	668	713	755	786	774	745	708	679	659	649	637	626	624	623	625	627	622	663	0	10 41	793	23 59	619	174
12				621	623	624	626	631	627	638	684	748	800	828	817	772	728	685	657	639	634	627	619	612	603	607	608	669	0	11 01	841	21 27	602	239
13				611	616	616	616	619	619	617	639	675	715	720	711	700	685	673	662	653	643	634	630	629	627	628	630	649	0	10 45	726	0 24	610	116
14	✓	✓		630	627	627	629	631	632	632	646	679	708	721	726	722	713	693	679	669	651	641	638	642	638	633	631	660	0	11 13	745	2 33	626	119
15	✓			632	631	628	626	625	627	633	662	701	739	760	762	732	719	696	673	654	644	640	637	634	629	627	628	664	0	11 08	770	4 32	624	146
16				630	631	632	632	632	638	652	680	719	752	(767	757)	736	725	699	688	682	651	634	633	632	624	620	625	670	1	[10 47	770]	22 40	618	[152]
17				628	627	628	632	634	638	651	690	732	767	786	784	770	743	710	687	664	651	646	643	642	641	638	643	678	1	10 54	806	0 52	624	182
18			✓	643	644	653	648	640	648	673	685	777	658	698	733	685	640	599	581	564	[554]	570	581	590	594	590	582	635	2	8 28	819	[17 —	544	275]
19			✓	591	591	596	605	606	609	623	653	684	698	705	670	662	663	664	656	645	626	611	601	605	603	606	609	633	1	11 12	724	0 09	581	143
20				608	607	608	609	609	617	613	637	654	698	697	674	639	631	629	630	639	634	622	617	618	621	618	619	631	1	9 51	723	4 25	604	119
21			✓	618	616	614	618	619	625	637	655	697	704	700	697	680	651	625	617	621	624	623	621	620	619	618	616	639	1	9 14	728	15 22	608	120
22	✓	✓		614	615	616	618	618	623	634	659	692	728	729	717	705	684	669	653	632	625	622	620	618	619	617	615	648	1	10 09	740	0 57	613	127
23	✓			617	618	616	619	619	625	631	647	669	696	701	690	684	668	652	644	644	637	628	626	628	628	628	623	643	0	10 30	705	0 30	613	92
24				623	624	625	627	628	631	645	678	725	750	748	740	690	663	637	645	640	631	627	626	626	626	625	622	654	1	10 58	765	23 37	621	144
25	✓	✓		621	620	618	619	627	636	645	664	688	712	722	710	691	663	650	649	647	642	641	641	641	641	641	640	653	0	10 10	724	2 57	617	107
26				641	639	638	640	643	647	653	674	710	739	762	765	756	705	696	685	673	649	640	642	642	644	642	641	674	1	11 14	783	18 21	636	147
27				641	638	633	634	640	645	646	657	684	706	729	732	714	711	665	651	645	643	637	634	633	633	633	634	659	1	11 54	743	2 45	632	111
28				637	638	637	636	637	638	635	643	673	701	722	723	715	696	678	676	668	652	642	647	644	644	639	631	660	1	11 30	728	22 51	628	100
29			✓	634	638	639	637	641	647	656	680	715	742	755	726	701	678	647	632	628	613	605	604	587	582	587	617	650	1	10 09	771	21 13	576	195
30			✓	604	597	593	604	611	615	615	610	661	704	735	744	739	707	676	667	620	628	628	629	635	635	636	635	647	1	12 51	764	2 27	592	172
31																																		
MEANS ALL DAYS				626	626	625	627	629	633	641	665	703	728	740	734	713	692	673	661	649	637	631	629	629	627	626	626	657						144
MEANS TEN DAYS *				626	625	624	625	628	630	636	658	692	721	732	732	718	701	685	669	653	638	632	632	631	630	629	628	657						125
MEANS FIVE DAYS † (G. M. T.)				626	625	625	627	630	633	639	661	693	720	728	725	712	694	679	669	655	641	633 635	631 634	630	628	627	626	657						
MEANS FIVE DAYS ‡ (G. M. T.)				618	617	619	622	623	629	641	657	707	701	719	714	693	668	642	631	616	609	607	618	616	616	614	618	642						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 237

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1927

DECEMBER 1927

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				633	630	634	636	635	627	613	587	610	659	710	730	722	689	668	637	635	627	617	611	607	608	610	615	640	1	11 36	755	7 28	574	181
2				617	616	627	628	633	638	655	671	692	712	734	735	730	698	646	645	637	634	630	631	633	633	632	629	656	1	9 11	758	1 09	608	150
3	✓			629	629	627	627	627	629	632	663	694	727	739	734	710	686	665	655	648	642	637	635	633	632	632	635	657	1	10 43	759	2 31	624	135
4	✓	✓		634	632	632	632	635	643	656	671	693	707	708	704	701	692	668	664	652	643	641	644	643	642	639	638	659	0	9 32	721	3 48	629	92
5				639	641	639	638	646	659	660	679	693	702	710	723	704	690	652	668	658	648	644	644	640	634	635	635	662	1	11 21	740	20 57	633	107
6				637	639	642	638	636	639	650	640	679	709	706	715	681	683	649	652	650	646	633	625	627	622	619	623	652	1	10 17	744	22 27	616	128
7				621	621	628	625	625	628	638	649	684	710	722	708	692	662	651	642	644	641	639	639	639	634	631	634	650	1	10 51	735	0 47	618	117
8				629	628	626	625	627	636	649	680	718	760	772	750	705	664	610	605	611	612	617	622	624	624	621	622	652	1	10 08	785	14 54	598	187
9				628	629	625	626	626	637	656	680	718	728	755	746	744	673	620	623	632	636	637	638	637	630	627	630	658	1	10 17	775	14 09	613	162
10				630	622	624	623	622	628	645	664	702	727	726	(727)	702	670	632	598	612	627	635	635	634	638	631	632	649	1	9 24	743	15 16	590	153
11	✓			631	628	627	630	632	638	654	693	737	765	786	775	735	696	653	631	623	634	636	641	638	637	636	642	667	0	10 33	792	16 16	617	175
12				636	635	635	639	639	637	634	645	692	749	787	795	773	718	689	667	661	660	654	655	655	656	655	657	676	1	11 53	798	6 30	628	170
13			✓	659	659	664	666	647	638	629	643	747	722	767	691	667	684	587	556	563	574	563	554	550	570	572	569	631	2	10 38	955	[14 54	527	428]
14			✓	600	602	607	605	605	623	613	641	652	730	751	765	756	710	680	643	635	629	630	643	637	608	608	609	649	2	11 11	787	[6 —	578	209]
15				604	576	590	585	581	589	597	624	677	740	725	741	726	673	624	599	594	596	607	611	607	606	600	596	628	1	9 45	773	1 42	570	203
16				596	596	596	600	608	609	617	633	673	709	721	722	689	653	636	626	622	615	609	612	612	612	611	610	633	1	10 02	738	2 45	594	144
17			✓	619	620	621	625	623	626	623	637	686	666	662	694	720	691	621	624	617	616	611	615	614	615	625	619	637	2	12 53	787	14 04	606	181
18			✓	614	619	607	604	608	613	619	628	655	616	652	656	648	620	589	(556)	553	548	553	552	556	552	551	563	597	1	8 14	678	20 36	537	141
19				571	585	596	599	594	604	610	618	640	678	703	(702)	687	651	619	602	597	601	610	613	613	613	612	615	622	1	10 21	716	0 01	567	149
20	✓	✓		615	614	613	613	616	629	651	674	704	723	725	714	684	644	600	580	594	617	624	627	626	625	624	624	640	0	11 01	730	15 25	578	152
21	✓	✓		621	618	618	619	624	632	652	678	717	757	763	744	706	655	606	599	614	630	634	636	633	633	632	632	652	0	9 51	768	15 15	593	175
22	✓			632	632	632	636	639	652	666	684	703	735	741	710	669	612	571	583	617	630	634	638	638	636	633	625	648	0	10 06	754	14 57	564	190
23				618	623	625	628	632	645	657	692	737	770	771	744	694	648	614	613	627	637	636	637	636	636	634	633	658	0	10 17	782	0 44	605	177
24	✓	✓		630	630	629	631	633	641	658	675	702	733	753	746	716	680	638	627	635	638	639	637	639	637	634	634	659	0	11 00	759	15 13	620	139
25	✓			635	636	636	638	641	651	671	701	736	770	780	766	734	685	654	641	645	644	642	638	634	629	628	624	669	0	10 20	787	23 51	621	166
26				626	635	638	638	635	640	652	678	718	736	744	730	699	663	640	636	640	646	640	636	636	635	634	636	659	0	10 14	749	0 01	622	127
27	✓	✓		637	637	638	638	639	647	663	688	733	776	800	837	752	692	651	639	638	640	642	639	637	637	636	637	674	1	11 30	877	16 32	635	242
28			✓	636	635	636	641	643	647	658	691	748	808	863	800	771	736	666	588	580	587	588	595	595	603	607	607	664	1	10 23	930	15 27	561	369
29				612	615	616	617	613	609	606	620	670	725	760	757	733	687	646	631	628	626	628	628	627	626	626	624	647	0	11 09	790	6 46	600	190
30	✓			625	625	625	626	628	634	648	665	691	730	764	783	787	763	722	702	663	640	636	634	634	634	634	634	672	0	12 33	795	0 01	621	174
31				655	657	656	653	637	635	647	672	712	758	795	802	785	726	693	668	655	642	632	641	646	650	643	636	679	1	11 05	813	17 51	626	187
MEANS ALL DAYS				625	625	626	627	627	632	641	660	697	727	745	740	717	680	641	626	625	626	625	626	625	624	623	623	651						177
MEANS TEN DAYS ✱				629	628	628	629	631	640	655	679	711	742	756	751	719	680	643	632	633	636	636	637	636	634	633	632	660						164
MEANS FIVE DAYS † (G. M. T.)				627	626	626	627	629	638	656	677	710	739	750	749	712	673	633	622	627	634	629 636	630 637	629	628	627	629	656						
MEANS FIVE DAYS ‡ (G. M. T.)				626	627	627	628	625	629	628	648	698	708	739	721	712	688	629	593	590	591	589	615	614	618	620	618	641						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 238

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1927 — JANUARY 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	631	631	631	630	631	629	629	631	633	634	639	639	634	627	625	618	612	612	624	629	628	629	629	628	628	1	10 55	643	16 47	609	34
2				630	631	632	633	633	629	631	636	637	639	638	633	624	623	624	624	622	622	628	630	630	631	628	628	630	0	8 05	640	12 49	621	19
3	✓			628	630	631	632	631	628	630	639	641	642	642	637	628	629	640	647	645	635	631	631	629	628	629	629	634	0	15 24	648	12 37	626	22
4			✓	628	630	630	632	632	632	629	628	624	630	636	632	620	622	630	635	635	634	634	634	632	631	630	629	630	1	16 03	639	12 55	618	21
5				629	628	627	629	630	628	631	637	636	636	646	651	640	636	632	621	620	626	629	631	631	632	632	632	632	1	11 34	653	16 37	619	34
6				631	631	632	633	634	634	637	638	634	630	627	620	621	627	637	638	633	630	627	627	626	626	626	626	630	1	15 26	641	11 44	617	24
7			✓	629	629	630	633	635	636	625	618	622	629	628	622	616	610	600	600	601	608	612	618	620	623	625	627	621	1	5 28	641	14 26	597	44
8	✓			626	626	625	624	624	624	625	631	633	629	629	616	601	592	585	588	604	613	619	625	625	625	625	625	618	0	8 15	634	15 05	582	52
9		✓		625	625	625	627	628	629	629	639	643	641	645	638	630	624	608	602	607	614	619	624	625	▽				0	10 55	646	15 55	601	45
10		✓								▽	636	638	640	642	636	631	622	606	618	630	629	621	626	625	625	625	625		0			14 30	605	
11				625	626	626	628	628	626	627	633	637	636	639	640	634	622	618	624	628	626	624	627	628	628	629	628	629	0	8 27	640	14 45	617	23
12				627	626	625	626	628	628	632	642	642	632	619	620	598	592	589	588	591	602	608	619	622	623	624	622	618	0	7 30	643	14 57	586	57
13				621	621	622	625	625	623	628	641	646	646	647	630	613	605	608	621	622	623	622	624	626	626	626	626	626	0	10 10	650	13 30	604	46
14				627	629	629	630	629	624	626	633	635	635	636	643	(620)	604	615	621	624	625	625	627	628	627	627	626	627	0	11 28	646	[13 13	601	45]
15				625	626	627	628	628	624	625	634	(644)	651	655	648	633	625	625	628	631	625	625	629	631	632	633	633	632	1	10 48	657	13 09	624	33
16				632	633	634	634	636	632	636	646	651	657	660	646	637	633	631	635	637	639	633	633	633	634	633	632	638	0	10 18	662	14 09	630	32
17				632	632	635	636	635	632	634	643	647	647	648	648	646	(640)	633	629	629	628	629	630	631	632	630	630	636	1	12 18	649	17 07	627	22
18	✓			630	631	632	633	635	634	636	647	651	649	653	650	639	627	622	615	619	623	627	632	633	633	635	635	634	0	7 45	652	15 30	614	38
19	✓			635	634	635	636	637	635	631	630	643	655	657	655	636	621	619	621	626	629	627	631	632	632	634	634	634	0	10 40	659	13 55	618	41
20	✓			634	634	635	636	638	637	639	651	654	650	646	640	638	633	626	622	627	632	633	637	637	637	636	636	637	0	7 48	655	15 06	620	35
21		✓		635	635	636	638	639	637	639	△																		0					
22		✓								△	639	642	642	645	649	645	632	625	617	616	623	628	634	635	636	635	636		0	8 49	646	16 19	613	33
23	✓	✓		636	637	638	639	639	641	639	645	653	656	660	667	665	655	631	622	630	628	627	632	634	634	635	636	641	0	12 09	668	15 37	620	48
24			✓	635	636	635	636	639	639	640	642	645	651	654	657	654	647	641	635	633	633	634	637	635	634	634	631	640	1	11 00	658	18 24	632	26
25			✓	633	631	632	635	637	636	640	650	662	671	674	674	669	656	648	641	640	638	636	638	639	640	635	636	645	0	10 14	675	2 21	630	45
26				634	634	637	641	641	640	639	641	645	647	650	642	633	628	624	620	617	617	628	636	637	639	639	637	635	1	10 11	653	16 45	614	39
27	✓			638	640	642	641	641	641	641	650	651	647	648	653	657	656	648	637	636	638	636	637	638	638	639	638	643	0	13 06	658	15 45	634	24
28	✓			639	639	639	641	643	644	647	652	655	657	659	659	648	627	621	614	614	620	628	636	636	637	638	638	639	0	10 15	659	16 08	610	49
29	✓			638	638	639	640	642	641	642	649	657	658	660	651	649	648	647	639	636	635	634	636	637	637	636	636	643	0	10 23	664	16 54	634	30
30				[636]	▽						▽	644	646	650	652	651	649	646	636	626	624	626	634	635	636	637	638		0	11 30	653	17 30	623	30
31	✓			637	636	638	639	641	639	643	656	659	654	647	639	640	636	627	619	624	626	626	632	636	637	637	637	638	0	8 08	660	15 29	617	43
MEANS ALL DAYS a)				631	631	632	633	634	633	634	640	644	645	646	643	634	628	625	623	624	626	627	631	631	632	632	631	633						36 a)
MEANS TEN DAYS ✲				634	634	635	636	637	636	637	645	650	650	650	647	640	632	627	622	626	628	629	633	634	634	634	634	636						38
MEANS TWO DAYS (G. M. T.) b) †				630	631	632	633	634	635	634	642	648	648	652	652	648	640	620	612	618	621	624 623	630 628	630	630	630	630	633						
MEANS FIVE DAYS (G. M. T.) ‡				631	631	632	633	635	634	633	634	637	643	646	645	639	632	629	626	624	625	628	631	630	630	631	631	633						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = TWO INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-six days only, omitting incomplete days January 9, 10, 21, 22 and 30

b) Omitting incomplete Greenwich days January 10, 21 and 22

TABLE 239

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1927

FEBRUARY 1927

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				636	636	637	637	638	638	639	648	651	649	653	655	655	654	646	637	634	632	630	633	637	637	638	636	641	0	13 09	657	18 44	630	27
2	✓			636	636	636	638	638	638	635	639	638	634	635	642	648	646	636	632	631	632	632	636	637	638	638	638	637	0	12 45	651	16 30	630	21
3				639	639	639	640	641	640	641	644	639	640	647	652	656	660	659	652	645	636	636	640	637	638	637	639	643	0	14 09	663	9 01	635	28
4				640	640	642	642	643	642	640	643	647	650	655	652	646	649	650	647	640	632	632	637	638	639	639	638	643	0	10 33	656	18 01	629	27
5				638	639	640	641	642	641	640	648	649	(646)	647	645	646	644	638	641	648	647	641	643	642	643	642	642	643	0	17 00	649	14 53	637	12
6	✓	✓		642	643	644	646	646	646	647	651	649	645	647	646	642	629	618	621	626	630	631	637	640	640	640	638	639	0	7 25	652	14 35	616	36
7	✓	✓		637	638	641	643	644	646	644	646	647	641	643	631	622	619	624	622	623	630	632	639	641	640	640	639	636	0	5 53	647	13 06	615	32
8				638	638	640	641	642	643	644	651	660	663	661	657	651	653	655	650	644	638	634	639	641	642	641	641	646	0	8 38	663	18 21	634	29
9			✓	642	642	642	643	645	647	645	649	653	653	650	653	657	653	654	636	629	629	627	634	639	640	641	641	644	1	12 30	658	16 39	628	30
10			✓	642	643	642	642	642	646	651	663	671	673	671	666	658	657	654	643	634	630	631	637	640	641	641	642	648	1	8 40	674	17 14	629	45
11				642	643	645	647	648	647	645	648	650	650	651	647	647	654	656	653	645	640	642	646	647	646	646	644	647	0	14 54	657	17 31	639	18
12				645	643	643	644	645	646	646	653	660	663	665	666	663	661	653	647	643	636	634	638	640	641	641	641	648	1	10 52	667	17 46	633	34
13				641	641	642	644	644	644	641	642	644	644	648	648	648	642	638	630	632	635	637	641	640	640	640	641	641	1	12 00	649	16 00	629	20
14	✓			641	641	642	645	645	646	645	644	645	646	642	643	642	643	(637)	631	632	634	633	636	637	638	639	639	640	0	5 50	648	15 52	629	19
15	✓			639	640	641	642	642	642	640	640	641	639	635	635	637	641	643	636	632	630	633	633	633	634	635	635	637	0	5 00	643	17 02	629	14
16				635	637	638	641	643	644	643	648	649	656	660	654	646	640	631	627	629	632	631	634	634	637	637	636	640	1	10 01	661	15 08	626	35
17				637	639	642	642	643	643	642	643	646	646	642	641	638	643	643	642	640	640	637	638	639	639	639	639	641	0	9 01	647	12 00	636	11
18				641	640	641	641	643	647	651	656	655	652	652	654	655	655	652	645	639	635	634	638	639	638	639	638	645	0	7 26	657	18 12	633	24
19				640	640	640	642	645	646	645	646	649	656	658	656	656	657	654	645	641	636	636	639	639	638	638	638	645	0	9 33	659	17 25	636	23
20	✓			638	640	644	647	648	649	647	650	652	654	654	651	654	655	653	646	637	635	636	639	640	640	639	638	645	0	13 06	656	17 09	633	23
21	✓	✓		639	640	641	643	644	645	644	644	642	638	632	628	625	625	629	630	630	633	635	639	639	640	639	639	637	0	5 30	646	12 16	624	22
22	✓	✓		640	641	641	644	645	645	645	652	655	649	648	646	648	651	647	637	631	631	632	636	640	641	641	642	643	0	8 11	656	16 51	630	26
23	✓	✓		642	641	643	644	646	646	645	649	645	643	646	644	643	643	640	638	640	640	638	640	641	642	642	643	643	0	7 33	650	15 03	637	13
24			✓	644	643	643	646	646	647	647	650	652	654	658	660	657	658	655	643	638	626	636	642	641	639	640	640	646	1	10 22	660	17 27	623	37
25			✓	645	643	643	646	649	649	648	649	645	647	650	653	659	663	660	647	637	633	633	637	641	642	645	647	646	0	14 15	663	17 31	632	31
26	✓			645	646	647	647	649	649	647	650	655	658	663	670	683	679	662	645	635	632	635	640	642	641	642	642	650	0	12 33	686	17 14	631	55
27				644	645	647	648	649	648	642	641	644	651	662	670	669	669	664	654	643	635	636	641	644	644	642	643	649	0	13 40	671	17 40	634	37
28			✓	645	647	649	649	649	649	645	640	635	639	643	645	650	655	651	643	635	632	630	636	641	640	640	642	643	0	13 50	656	18 54	629	27
29																																		
30																																		
31																																		
MEANS ALL DAYS				640	641	642	643	644	645	644	647	649	649	651	650	650	650	646	640	636	634	634	638	640	640	640	640	643						27
MEANS TEN DAYS ✻				640	641	642	644	645	645	644	646	647	645	644	644	644	643	639	634	632	633	634	638	639	639	640	639	641						26
MEANS FIVE DAYS (G. M. T.) †				640	641	642	644	645	646	645	648	648	643	643	639	636	633	632	630	630	633	635 634	639 638	640	641	640	640	640						
MEANS FIVE DAYS (G. M. T.) ‡				644	644	644	645	646	648	647	650	651	653	654	655	656	657	655	642	635	630	631	639	641	641	641	642	646						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 240

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1927

MARCH 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				643	643	646	649	651	650	652	653	655	663	672	674	676	668	658	649	638	630	634	640	643	642	644	646	651	1	12 28	677	17 45	629	48
2	✓	✓		647	648	649	651	652	652	649	652	655	655	655	657	662	664	663	655	649	642	641	644	644	644	645	645	651	0	14 12	665	17 48	640	25
3	✓			646	648	649	651	652	653	651	652	653	652	651	650	647	643	641	642	640	638	640	643	644	644	645	646	647	0	5 07	653	17 05	637	16
4	✓			647	648	649	651	651	652	651	657	662	661	661	653	645	642	635	631	635	640	641	645	645	645	645	647	647	0	8 22	663	15 06	631	32
5	✓			647	650	650	652	652	652	650	655	656	655	653	647	646	647	644	643	644	643	644	646	647	647	646	645	648	0	7 46	656	15 10	642	14
6	✓			647	649	651	651	653	654	654	655	659	664	667	668	664	661	649	639	640	640	640	644	644	644	644	646	651	0	11 21	670	15 15	638	32
7	✓			646	647	648	650	653	653	650	649	649	651	655	654	660	662	659	653	653	651	647	648	647	647	648	649	651	0	14 08	662	0 59	645	17
8				650	650	650	650	652	653	653	654	653	654	657	657	656	659	663	655	649	645	640	642	647	643	641	643	651	0	14 44	663	18 34	639	24
9			✓	646	645	645	649	650	650	651	660	670	675	678	674	671	662	653	647	639	637	637	642	643	643	642	641	652	1	10 22	681	16 42	637	44
10				643	646	649	650	651	652	653	656	662	667	671	670	672	668	657	650	646	645	645	647	646	646	646	647	654	1	11 55	672	16 45	644	28
11				647	646	648	649	650	650	648	648	649	656	661	661	660	655	646	639	636	637	643	645	645	645	645	644	648	0	10 13	661	16 06	636	25
12				645	645	646	648	651	651	652	654	656	655	654	649	647	649	644	642	640	637	638	642	643	643	642	642	646	0	7 49	656	17 11	636	20
13				643	644	644	647	649	649	647	647	646	648	651	657	658	660	661	656	648	644	643	644	644	643	644	645	648	0	14 15	662	18 12	642	20
14				645	647	649	650	652	651	650	650	657	660	657	662	664	665	659	651	647	645	645	644	643	643	642	643	651	1	13 24	666	23 59	642	24
15				641	646	648	652	653	654	653	650	649	651	650	651	648	(656	655	655)	648	642	643	646	646	646	645	641	649	1	5 10	654	17 44	640	14
16			✓	641	644	649	649	651	655	649	652	655	652	647	645	648	644	649	643	638	638	642	644	643	643	645	646	646	1	5 26	658	16 34	635	23
17			✓	648	649	652	654	653	654	655	656	659	657	656	657	658	655	654	645	640	640	642	645	645	643	642	644	650	1	12 07	659	17 11	638	21
18				648	649	649	651	652	652	653	656	659	660	658	657	655	650	643	635	633	638	641	644	644	646	646	647	649	1	8 23	660	16 01	630	30
19				648	649	649	650	652	652	649	651	656	662	666	664	664	664	661	654	646	644	646	648	649	649	646	646	653	0	10 57	667	17 31	644	23
20				648	648	650	652	653	652	648	646	647	650	659	662	663	658	650	639	637	636	639	643	645	645	646	647	648	0	12 18	665	17 07	634	31
21	✓			648	648	651	653	654	655	653	647	645	651	659	668	673	665	654	646	644	645	651	649	649	649	647	645	652	0	12 40	674	8 33	644	30
22		✓		647	652	656	657	656	655	651	649	651	654	652	651	647	644	□			□	648	648	648	648	647	646		0	3 41	658			
23	✓	✓		649	652	653	653	655	655	652	652	649	652	653	655	655	644	635	632	633	638	644	646	648	649	646	647	648	0	5 43	655	15 14	631	24
24	✓	✓		649	650	653	655	656	656	657	661	661	662	665	665	660	653	650	649	649	647	645	648	649	650	649	650	654	0	10 24	666	18 09	644	22
25	✓	✓		652	651	653	655	656	656	653	653	653	650	653	662	668	674	669	663	657	650	648	646	646	651	647	648	655	0	13 36	676	19 52	644	32
26				650	652	653	652	653	652	653	654	656	663	670	673	673	667	656	650	643	643	645	647	648	649	652	653	654	1	12 36	674	16 38	642	32
27			✓	654	655	656	656	657	657	658	660	661	663	666	674	677	669	657	648	647	644	642	647	651	648	647	648	656	1	12 21	679	18 32	641	38
28			✓	649	656	655	656	656	657	657	658	656	650	648	652	655	649	644	640	639	643	648	650	650	654	657	657	652	1	7 58	660	16 02	639	21
29				655	654	656	657	658	657	654	655	654	652	650	650	648	648	647	645	647	647	649	648	649	651	651	652	651	0	3 30	658	15 27	644	14
30				654	654	656	656	656	655	652	645	643	641	638	646	649	646	645	646	646	645	644	646	647	649	648	651	648	0	4 38	656	10 13	637	19
31				651	652	652	653	654	655	655	655	655	659	662	665	660	648	645	645	645	647	648	649	649	648	649	648	652	0	11 28	665	14 22	643	22
MEANS ALL DAYS a)				648	649	650	652	653	653	652	653	655	656	658	659	659	656	652	646	643	642	643	645	646	646	646	647	650						26 a)
MEANS TEN DAYS *				648	649	651	652	653	654	652	653	654	655	657	658	658	656	650	645	644	643	644	646	646	647	646	647	650						24
MEANS FOUR DAYS (G. M. T.) b) †				649	650	652	654	655	655	653	654	654	655	656	660	661	659	654	650	647	644	643 644	646 646	647	647	646	647	652						
MEANS FIVE DAYS (G. M. T.) ‡				648	650	651	653	653	655	654	657	660	659	659	660	662	656	651	645	641	640	642	645	647	646	646	646	651						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day March 22 b) Omitting incomplete Greenwich day March 22

TABLE 241

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1927

APRIL 1927

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				654	653	653	654	655	655	655	655	656	653	644	645	654	646	641	642	644	645	646	649	649	648	649	652	650	0	0 34	656	10 54	641	15
2				653	655	655	656	656	656	658	665	674	682	683	681	681	665	651	650	650	647	644	648	650	651	651	652	659	0	9 54	684	18 24	644	40
3	✓			653	655	656	656	656	656	658	657	660	664	665	671	673	667	658	656	653	651	652	651	651	651	652	652	657	0	12 15	674	20 29	651	23
4				654	654	656	656	657	656	655	652	653	652	656	663	656	642	635	635	639	645	649	647	648	650	648	650	650	1	11 26	664	14 39	633	31
5				653	653	655	656	656	656	657	661	663	664	665	665	655	643	632	630	637	645	649	650	651	650	650	651	652	0	11 51	666	14 42	630	36
6	✓			653	655	656	656	657	656	658	661	665	667	665	664	664	654	643	634	635	643	646	648	650	652	651	652	654	0	9 48	668	15 35	633	35
7				653	653	655	656	656	656	659	665	672	678	681	683	680	664	649	640	640	644	649	649	650	648	648	650	657	0	11 18	684	15 35	639	45
8				654	653	655	654	657	658	660	672	679	677	676	673	668	657	646	642	643	646	648	650	651	652	651	652	657	1	8 48	682	15 35	641	41
9			✓	654	656	658	659	659	659	657	662	661	656	650	651	655	659	651	639	636	640	645	647	647	649	650	650	652	1	7 26	663	15 43	636	27
10				653	655	656	657	657	660	661	665	666	665	665	663	658	658	651	638	635	638	646	649	650	652	650	649	654	1	7 34	667	16 47	634	33
11			✓	647	651	654	657	659	660	659	659	658	656	651	655	653	669	664	651	646	647	649	650	650	650	650	651	654	1	13 15	670	16 42	645	25
12			✓	652	654	657	657	657	658	656	650	643	637	634	637	641	641	644	652	651	650	649	651	652	652	651	651	649	1	4 53	659	10 41	633	26
13				654	657	657	658	659	660	660	662	661	656	651	653	658	658	657	657	652	650	651	649	651	651	651	650	655	1	6 54	662	19 36	647	15
14			✓	655	653	656	658	654	651	651	666	671	665	652	645	643	636	632	632	639	641	646	649	649	650	651	653	650	2	7 59	672	13 53	631	41
15				653	656	656	657	658	658	652	648	649	655	656	663	669	662	665	664	659	654	651	651	652	652	652	654	656	1	12 24	670	7 51	646	24
16	✓			657	657	658	658	659	661	663	669	672	671	667	665	656	654	650	648	646	648	649	650	652	653	652	652	657	0	8 44	674	16 39	645	29
17	✓	✓		655	656	657	658	659	659	661	667	666	663	659	659	656	655	651	648	648	649	650	651	653	653	652	654	656	0	7 24	667	15 10	646	21
18	✓	✓		657	657	658	659	659	659	660	663	663	668	673	668	665	652	645	644	(651)	653	657	656	657	657	656	658	658	0	10 21	674	15 36	640	34
19	✓			660	660	661	661	662	661	663	668	672	674	676	680	674	667	660	657	654	655	655	655	657	658	658	660	663	0	11 15	680	16 54	652	28
20	✓	✓		660	660	660	660	662	662	666	672	673	674	674	674	660	656	657	659	659	657	654	655	657	657	655	656	662	0	10 49	675	18 04	653	22
21	✓	✓		656	656	660	660	661	661	663	668	669	669	671	673	668	660	660	662	660	659	655	655	656	657	656	657	661	0	11 32	674	18 05	654	20
22	✓	✓		659	659	660	661	661	662	664	668	669	666	665	668	669	667	662	656	655	655	655	655	655	656	658	658	661	0	7 45	670	15 40	654	16
23				659	659	660	661	662	662	661	662	662	662	663	668	676	671	664	655	653	656	655	655	657	658	657	659	661	1	12 39	678	16 33	652	26
24			✓	654	654	660	663	662	664	662	656	652	650	650	662	665	666	662	651	647	650	650	652	655	655	654	653	656	1	13 17	667	10 03	647	20
25				655	656	656	657	658	656	657	661	663	667	666	668	671	⊼				⊼	650	652	656	658	656	657		1	12 39	673			
26				658	658	659	660	660	660	661	659	⊼												⊼	657	658	658							
27				660	661	661	661	660	660	656	649	643	640	640	645	648	656	(662	663)	663	662	659	658	657	658	658	659	656	1	24 00	669	9 53	639	30
28	✓			661	661	662	663	664	663	659	653	653	655	660	669	671	665	657	652	652	657	657	660	661	661	662	664	660	0	12 06	672	8 55	652	20
29				664	664	664	663	662	663	662	662	659	659	658	662	658	654	651	648	650	654	653	655	658	661	660	658	658	1	0 30	665	15 51	647	18
30				661	662	660	660	659	658	659	659	659	658	659	659	661	664	⊼					⊼	661	663	661	663		0	23 30	664			
31																																		
MEANS ALL DAYS a)				655	656	658	658	659	659	659	661	662	662	661	663	662	657	652	648	648	650	651	652	653	653	653	654	656						27 a)
MEANS TEN DAYS *				657	658	659	659	660	660	662	665	666	667	668	669	666	660	654	652	651	653	653	654	655	656	655	656	659						25
MEANS FIVE DAYS (G. M. T.) †				657	658	659	660	660	661	663	668	668	668	668	668	664	658	655	654	655	655	653 654	653 654	655	656	655	656	659						
MEANS FIVE DAYS (G. M. T.) ‡				652	654	657	659	658	658	657	659	657	653	647	650	651	654	651	645	644	646	648	651	652	653	652	652	652						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete days April 25, 26 and 30

TABLE 242

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1927 — MAY 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			665	665	665	664	665	665	668	669	671	675	677	679	675	670	661	653	650	652	653	655	655	656	654	654	663	0	11 15	680	16 36	649	31
2				658	658	659	659	660	661	662	663	666	668	665	663	663	669	671	656	650	653	655	657	659	658	657	656	660	0	14 17	674	16 41	648	26
3			✓	656	659	661	660	660	660	660	661	659	657	666	667	660	659	654	651	651	649	647	652	657	655	656	656	657	1	10 45	670	18 09	647	23
4				657	655	656	659	659	660	663	666	666	666	666	669	669	667	659	655	652	654	655	656	653	652	652	653	659	1	11 19	670	21 08	651	19
5			✓	660	656	658	662	660	661	669	675	670	662	659	653	654	648	644	642	644	651	652	653	654	656	654	654	656	1	7 25	676	15 02	641	35
6				654	656	657	658	660	660	663	667	673	676	675	672	670	665	658	653	652	654	654	654	657	657	657	657	661	1	8 45	677	16 18	652	25
7			✓	657	656	656	657	661	663	665	667	670	667	663	671	668	662	660	658	653	652	656	656	657	656	654	657	660	1	8 46	674	17 04	651	23
8				660	660	660	661	662	664	664	662	657	655	651	648	645	646	643	645	648	654	652	653	653	654	657	657	655	1	6 30	665	14 25	642	23
9				660	661	660	660	661	662	664	665	664	666	665	670	671	666	663	662	658	654	653	656	659	658	657	656	661	1	12 35	672	18 18	652	20
10	✓			660	661	661	663	663	664	665	663	661	664	667	670	666	668	656	646	645	652	654	654	656	657	656	655	659	1	11 23	671	15 54	644	27
11	✓	✓		658	659	660	660	661	661	663	664	661	660	663	668	675	683	678	674	661	656	657	657	659	659	659	659	663	0	13 12	684	17 15	655	29
12	✓	✓		662	662	661	661	661	662	665	666	667	667	663	666	669	663	664	663	658	657	656	655	657	659	659	658	662	0	12 09	670	18 51	655	15
13	✓			661	661	661	661	663	664	666	663	660	660	666	669	669	662	663	658	654	656	656	657	658	660	659	658	661	0	11 54	671	16 48	653	18
14				660	661	663	664	664	665	666	669	668	667	668	667	668	668	666	666	662	660	660	659	662	663	661	659	664	0	11 43	669	18 23	658	11
15				662	666	666	666	668	668	671	668	661	659	655	656	661	663	667	668	663	660	660	661	663	664	664	663	663	1	6 45	672	10 52	653	19
16	✓			664	665	664	667	667	669	670	665	660	652	653	652	656	657	659	656	657	658	658	658	659	658	659	660	660	1	5 34	670	10 57	652	18
17		✓		660	662	663	664	665	666	668	666	662	656	657	659	664	668	671	(669	662)	658	659	[658]	△					0	15 03	672	9 50	654	18
18		✓																				△	659	661	665	662	663		0					
19				662	664	664	664	665	666	670	671	664	658	654	656	655	659	653	651	653	656	662	661	663	662	665	664	661	1	7 12	672	15 46	650	22
20			✓	665	665	665	666	666	670	665	664	658	653	650	652	648	647	645	644	650	654	654	655	655	659	659	659	657	1	5 28	674	15 15	641	33
21				660	662	661	661	663	665	669	671	669	665	662	665	664	661	654	655	654	657	655	659	662	662	661	662	662	0	7 15	672	14 41	653	19
22	✓			662	663	663	666	665	666	668	669	669	668	664	663	665	664	662	661	661	661	659	661	663	664	664	663	664	0	6 56	669	18 09	659	10
23				664	665	665	665	667	668	668	669	664	659	658	661	662	666	669	660	658	658	661	661	663	663	663	665	663	0	7 02	671	10 07	657	14
24	✓			665	665	666	667	667	669	671	672	668	667	666	670	666	659	648	638	644	654	649	660	662	663	661	662	662	0	7 06	674	15 30	638	36
25	✓			662	663	663	664	664	666	668	672	673	669	672	668	668	670	672	667	660	660	659	663	663	667	667	666	666	1	7 50	673	17 08	659	14
26		✓		665	666	665	666	663	667	667	663	658	656	660	665	665	662	660	664	661	661	661	662	665	666	666	670	664	0	6 07	669	9 40	655	14
27				669	670	670	667	667	666	667	662	657	655	657	658	665	671	670	662	659	659	660	661	662	664	663	665	664	1	13 41	673	9 57	654	19
28			✓	664	664	665	665	666	667	667	665	657	653	657	661	665	666	667	665	663	661	662	661	663	664	665	665	663	1	5 25	668	9 05	652	16
29				664	663	665	666	666	666	669	670	666	664	665	668	676	678	674	667	660	660	661	664	665	664	665	665	666	1	13 10	679	16 30	659	20
30	✓			664	664	664	665	664	664	664	659	651	644	645	654	661	661	664	661	654	658	661	661	662	663	663	663	660	0	3 27	665	9 54	642	23
31				663	663	664	665	665	665	667	668	665	662	659	659	662	669	668	663	659	661	661	662	662	663	664	664	663	0	7 06	670	11 03	657	13
MEANS ALL DAYS a)				661	662	662	663	664	665	666	666	664	662	662	663	664	664	661	657	655	656	657	658	660	660	660	660	661						a) 21
MEANS TEN DAYS ✲				662	663	663	664	664	665	667	666	664	663	664	666	667	666	663	658	654	656	656	658	659	661	660	660	662						22
MEANS FOUR DAYS b) † (G. M. T.)				661	662	662	663	662	664	666	665	662	660	661	664	668	669	668	668	660	658	657 658 658 658		659	660	660	660	662						
MEANS FIVE DAYS ‡ (G. M. T.)				660	660	661	662	663	664	665	666	663	658	659	661	659	656	654	652	652	653	654	658	659	659	659	659	659						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-nine days only, omitting incomplete days May 17 and 18

b) Omitting incomplete Greenwich day May 18

TABLE 243

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1927 — JUNE 1927

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				663	663	664	664	665	666	667	665	661	655	649	647	650	651	653	652	653	657	659	660	661	660	660	662	659	1	6 18	667	11 24	646	21
2			✓	661	661	662	662	663	663	671	672	667	658	653	653	653	652	652	654	655	658	658	660	659	660	659	659	659	1	6 42	675	11 22	651	24
3				659	661	662	663	663	663	668	665	657	654	655	661	662	664	666	659	650	653	657	658	659	659	660	660	660	1	6 44	669	16 47	650	19
4				661	662	662	663	662	662	664	663	660	660	660	662	663	660	663	659	656	657	659	661	662	662	662	662	661	1	6 44	665	16 24	655	10
5			✓	661	657	659	665	663	664	664	670	671	670	669	665	663	663	663	659	656	657	659	662	662	663	661	662	663	1	8 05	672	16 16	652	20
6	✓			662	662	663	663	665	666	671	669	664	663	662	668	669	666	669	668	667	662	661	662	664	664	663	663	665	0	6 34	672	10 22	661	11
7				663	664	664	665	666	666	666	659	651	645	642	639	644	647	657	655	657	660	661	660	661	661	661	662	657	1	6 15	668	11 25	638	30
8	✓	✓		662	663	663	663	663	664	667	670	667	659	660	661	660	657	651	649	652	655	655	658	660	661	662	661	660	0	7 20	670	15 27	648	22
9	✓			661	663	665	665	665	665	665	666	667	667	668	673	672	669	664	656	657	660	660	661	661	663	664	663	664	0	11 21	674	15 39	655	19
10				664	665	665	665	666	667	668	667	664	663	667	673	677	666	652	644	647	652	657	660	663	666	665	664	663	1	12 13	679	15 19	643	36
11			✓	665	665	666	666	667	667	668	668	665	663	661	660	662	665	664	659	659	659	660	661	665	665	665	662	664	1	6 55	669	11 55	658	11
12			✓	663	662	665	665	667	664	669	671	672	666	668	671	673	671	671	666	662	662	662	663	664	663	664	664	666	1	8 07	674	18 17	662	12
13				663	664	665	665	666	666	670	670	662	654	656	664	662	659	661	657	656	661	662	661	663	664	664	665	662	1	6 27	671	9 25	653	18
14				664	666	666	666	667	668	670	667	664	660	658	658	662	658	655	657	661	662	661	662	664	665	666	666	663	0	6 18	672	14 45	654	18
15				666	667	668	669	668	669	672	675	672	670	669	669	673	671	667	661	658	662	664	666	669	668	668	669	668	1	7 21	676	16 15	656	20
16				669	669	669	670	671	670	673	673	671	668	669	670	666	663	659	662	662	661	661	663	665	667	669	668	667	0	6 52	674	14 09	659	15
17				668	669	669	669	670	670	672	670	671	Δ																0			⌈0 10	666	
18																					Δ	658	662	666	671	671	671		0					
19	✓	✓		671	671	671	671	671	671	675	676	677	673	666	665	664	662	(662	664)	665	669	671	671	671	671	671	672	670	0	8 13	680	⌈14 00	660	20
20	✓	✓		671	672	673	673	674	674	674	668	662	657	655	653	651	651	653	655	654	661	664	666	667	667	667	668	664	0	6 16	675	12 27	650	25
21		✓		668	668	668	669	670	670	670	670	664	666	670	678	681	676	670	666	665	666	668	671	672	671	670	670	670	0	12 20	682	8 10	659	23
22				670	671	672	673	674	675	676	675	669	672	678	681	682	683	683	681	674	670	670	672	674	674	673	673	675	1	14 16	685	8 32	668	17
23	✓			673	673	673	674	675	675	676	672	663	661	667	677	683	678	666	657	658	662	666	669	671	672	672	672	670	1	12 50	684	15 40	656	28
24	✓	✓		672	672	672	673	674	674	673	676	677	673	675	681	684	676	669	663	661	664	667	668	670	670	670	670	672	0	12 12	685	16 11	660	25
25	✓			670	671	673	673	672	671	672	669	668	668	670	670	670	671	673	669	662	663	668	671	672	672	673	670	670	1	2 50	673	16 48	661	12
26			✓	672	672	672	672	673	674	673	673	665	662	663	659	657	659	655	657	657	664	667	668	669	670	669	670	666	1	3 50	674	12 40	654	20
27				668	670	671	672	672	672	672	672	665	664	663	668	667	665	667	663	662	668	670	669	671	672	672	672	669	1	6 21	673	10 37	662	11
28	✓			672	672	671	671	672	672	674	673	665	658	659	664	671	664	661	668	673	669	667	667	669	671	671	670	668	0	6 50	675	10 40	657	18
29	✓			671	672	672	672	672	672	673	675	675	665	657	665	678	677	675	668	667	666	667	669	671	671	672	673	671	0	12 18	679	10 27	656	23
30				673	672	673	672	673	673	674	672	670	668	661	656	654	655	655	656	659	665	664	666	668	668	666	667	666	1	6 44	675	12 48	654	21
31																																		
MEANS ALL DAYS a)				666	667	667	668	669	669	671	670	666	663	662	665	666	664	663	660	659	662	663	664	666	666	666	666	665						a) 20
MEANS TEN DAYS ✻				668	669	670	670	670	670	672	671	668	664	664	668	670	667	664	662	662	663	665	666	668	668	668	668	667						20
MEANS FIVE DAYS (G. M. T.) †				669	669	669	670	670	671	672	672	669	666	665	668	668	664	661	659	659	663	664 665	666 667	667	668	668	669	667						
MEANS FIVE DAYS (G. M. T.) ‡				664	663	665	666	667	666	669	671	668	664	663	662	662	662	661	659	658	660	661	663	665	665	665	664	664						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-eight days only, omitting incomplete days June 17 and 18

TABLE 244

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1927 — JULY 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1			✓	670	671	671	671	672	671	676	671	663	663	660	662	668	670	665	663	662	661	662	662	664	666	664	663	666	1	6 24	677	11 07	659	18
2				662	662	663	663	663	664	667	667	665	662	651	643	648	656	658	658	658	661	662	664	665	666	667	666	661	1	22 18	676	11 24	640	36
3	✓	✓		666	667	667	669	670	671	674	672	671	670	668	668	672	673	672	670	669	668	669	671	672	674	673	673	670	1	6 15	674	0 00	664	10
4	✓			672	673	673	674	675	675	676	676	670	666	668	670	670	671	671	667	664	667	669	672	672	674	675	674	671	1	7 11	676	16 43	664	12
5				676	676	677	677	677	677	682	680	677	674	672	669	670	667	664	663	664	667	669	670	671	672	672	672	672	1	6 48	684	15 00	663	21
6				671	672	671	672	673	674	675	672	665	663	664	666	671	670	669	666	664	665	667	669	670	671	671	671	669	1	6 18	677	9 27	662	15
7			✓	671	671	671	671	672	674	672	673	680	683	678	682	681	674	668	666	669	672	670	671	672	673	672	671	673	1	9 06	685	15 24	666	19
8				673	673	670	673	673	674	676	677	670	664	666	670	673	671	665	664	664	666	668	668	669	669	669	670	670	1	6 55	678	9 33	663	15
9	✓			671	670	671	672	673	674	675	678	672	669	668	670	672	675	670	664	664	669	669	669	670	671	670	671	671	0	7 06	678	15 42	663	15
10		✓		672	672	672	672	672	673	676	674	671	671	677	683	678	666	661	662	662	664	667	671	672	673	674	674	671	0	11 34	683	14 33	661	22
11				672	671	675	675	675	676	677	678	675	674	677	683	681	678	680	670	664	668	668	671	671	672	671	672	674	0	11 40	685	16 32	663	22
12	✓			674	673	675	675	676	677	678	679	677	673	669	671	676	675	664	662	659	666	669	670	671	673	673	673	672	0	7 15	679	16 15	657	22
13				674	674	675	676	676	676	677	680	683	680	681	680	681	675	668	662	662	667	669	669	672	673	672	673	674	1	8 24	684	15 30	661	23
14	✓			674	674	674	675	675	675	677	677	673	665	671	671	666	665	663	663	662	666	668	669	670	672	672	672	670	0	6 48	678	16 00	660	18
15	✓	✓		673	673	674	675	675	677	676	679	679	680	680	683	685	675	664	(664	662)	664	667	668	670	672	673	673	673	0	12 54	686	[16 42	660	26
16	✓	✓		672	673	673	674	675	676	679	681	679	672	664	664	669	665	660	661	665	671	671	669	669	672	671	670	671	0	7 03	681	14 05	658	23
17				671	667	667	673	674	674	677	683	681	⊠	658	654	657	659	663	670	669	670	668	⊠						1	7 20	683			
18																						⊠	669	670	671	671	671		1					
19				671	671	672	673	673	673	676	676	669	665	663	662	661	666	666	665	665	667	670	671	672	673	673	672	669	1	6 51	677	11 05	661	16
20				672	671	674	674	674	674	675	677	674	674	679	678	678	677	677	670	665	669	672	673	673	674	674	674	674	1	7 28	679	16 36	664	15
21			✓	674	673	674	675	676	676	679	680	680	674	673	676	674	(675	674)	670	669	673	672	671	671	679	652	662	673	2	8 16	681	22 31	642	39
22			✓	675	665	671	686	681	683	690	687	682	673	670	670	665	662	657	653	655	663	668	671	671	673	673	673	672	2	6 38	694	15 27	651	43
23			✓	673	673	673	673	674	676	674	674	674	675	679	681	680	683	679	675	673	673	671	672	674	675	676	675	675	1	13 27	684	17 13	671	13
24				676	675	675	676	676	677	680	681	678	673	675	679	680	678	676	673	669	671	672	673	673	674	675	677	676	1	7 12	681	17 09	669	12
25				675	676	677	677	677	678	679	678	677	677	679	681	686	677	672	666	662	665	671	673	674	675	675	675	675	0	12 32	688	16 46	661	27
26				676	676	676	676	676	677	679	678	673	665	662	666	670	666	665	664	666	668	670	673	675	677	677	677	672	1	6 22	679	10 30	661	18
27				678	677	677	677	677	678	681	683	682	680	682	683	685	686	684	675	669	670	674	674	675	676	676	676	678	1	13 52	687	16 42	668	19
28	✓			676	676	676	676	677	678	681	682	681	678	674	673	673	668	666	669	667	670	672	673	672	674	674	675	674	0	6 48	683	13 48	665	18
29	✓	✓		675	675	674	675	677	677	679	676	672	670	674	674	673	670	668	660	661	668	671	672	672	673	673	673	672	0	6 18	680	15 39	659	21
30	✓			674	674	675	675	676	677	677	677	676	673	676	676	671	667	670	670	667	667	671	672	672	672	673	673	673	0	6 45	679	17 00	665	14
31				674	674	674	675	674	676	679	679	675	677	680	676	675	672	668	665	663	665	670	671	669	672	673	671	673	1	6 46	680	16 05	662	18
MEANS ALL DAYS a)				673	672	673	674	674	675	677	677	675	672	672	673	673	671	668	666	664	667	669	670	671	673	672	672	672						20 a)
MEANS TEN DAYS ✲				673	673	673	674	675	676	677	678	675	672	671	672	673	670	667	665	664	668	670	670	671	673	673	673	672						18
MEANS FIVE DAYS † (G. M. T.)				672	672	672	673	674	675	677	676	674	673	673	674	675	670	665	663	664	667	668 669 669 670		669	671	671	671	671						
MEANS FIVE DAYS ‡ (G. M. T.)				673	671	672	675	675	676	678	677	676	674	672	674	674	673	669	665	666	668	669	670	671	673	667	669	672						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Twenty-nine days only, omitting incomplete days July 17 and 18

TABLE 245

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1927

AUGUST 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				671	670	672	672	672	673	674	674	670	673	673	673	683	687	677	669	667	668	671	671	672	672	672	672	673	1	13 04	690	16 51	666	24
2				671	670	669	672	674	676	679	683	687	686	684	681	679	671	669	666	666	669	669	670	671	671	672	671	674	1	8 11	688	15 33	666	22
3				672	671	673	674	676	678	679	678	677	674	674	670	670	665	658	657	663	666	669	671	671	672	670	672	671	1	5 51	679	14 49	657	22
4				674	674	675	676	677	676	676	675	674	679	684	684	686	682	673	671	669	672	672	674	676	676	676	676	676	1	12 57	687	16 18	668	19
5				677	678	678	678	677	677	678	680	683	682	679	679	677	676	671	672	670	671	673	675	677	677	677	676	677	1	8 02	683	14 22	670	13
6		✓		677	679	679	680	681	682	681	681	681	680	678	681	677	671	667	666	665	668	673	675	677	678	678	678	676	0	6 16	682	15 30	665	17
7	✓	✓		678	679	678	680	680	680	681	681	684	683	684	681	675	671	672	671	673	676	677	678	679	679	679	679	678	1	8 34	684	13 09	669	15
8				680	679	680	680	680	681	682	684	686	689	689	689	686	682	679	678	677	677	678	678	678	679	679	679	681	1	9 00	689	16 12	676	13
9				680	682	679	681	682	682	685	686	681	677	671	666	660	662	663	667	668	673	675	677	678	680	681	682	676	1	7 09	688	12 30	654	34
10				681	680	681	682	681	682	686	682	678	668	665	665	671	675	672	671	672	676	677	677	677	679	680	680	677	1	6 12	687	11 32	664	23
11	✓			679	680	679	680	682	684	688	686	681	676	678	677	678	675	675	674	674	678	678	677	678	678	678	678	679	1	6 15	689	13 04	674	15
12	✓			677	680	681	681	682	684	687	687	683	679	672	672	668	666	668	670	671	672	674	675	676	678	678	678	677	0	6 19	688	13 36	666	22
13	✓	✓		678	679	679	680	680	681	682	685	688	687	687	686	677	673	675	676	674	675	676	677	677	677	677	678	679	0	8 33	688	13 39	672	16
14				679	680	681	681	681	681	682	684	688	692	692	690	694	693	690	687	683	681	679	679	679	678	680	681	684	0	13 02	696	21 18	678	18
15				680	681	681	683	682	682	684	682	683	685	688	692	691	685	676	674	671	672	673	675	678	679	679	680	681	1	11 58	693	16 00	671	22
16				679	679	680	681	680	680	680	678	680	686	690	688	687	(687)	687	682	677	676	677	677	679	680	681	682	681	1	10 18	692	16 30	676	16
17	✓			682	682	682	683	683	684	682	682	680	677	679	682	682	686	691	687	(679)	678	678	682	682	682	682	684	682	0	23 44	684	10 00	676	8
18	✓			684	684	684	684	685	685	683	681	680	679	684	686	686	684	(684	671)	663	666	674	675	676	678	678	678	680	0	11 48	687	16 32	663	24
19			✓	678	679	680	680	682	682	684	684	681	681	686	692	694	693	684	676	672	673	674	679	679	680	676	676	681	1	13 15	694	16 30	671	23
20			✓	678	680	682	675	680	679	684	685	679	673	666	657	647	642	649	648	645	656	667	673	672	667	675	679	668	2	7 09	688	13 03	635	53
21			✓	683	682	682	678	676	678	681	682	680	674	671	672	667	671	674	673	675	672	672	674	675	676	676	677	676	2	2 59	703	13 11	663	40
22				676	676	676	677	678	678	680	681	678	673	672	675	677	680	670	664	667	669	672	673	674	676	676	676	675	1	7 16	682	15 28	662	20
23				677	677	678	679	680	680	677	674	675	678	676	679	679	678	(678	677)	675	671	672	675	675	679	679	679	677	1	4 34	681	17 02	670	11
24	✓			678	678	678	679	680	680	682	679	674	671	668	667	661	659	663	666	665	667	671	671	675	675	676	676	672	0	6 11	683	13 06	658	25
25	✓	✓		677	676	676	677	677	677	676	672	672	676	678	682	684	680	676	675	673	673	675	(677)	679	680	682	681	677	0	12 12	685	8 15	672	13
26	✓	✓		680	680	680	680	680	681	681	678	672	669	672	677	679	681	686	682	675	672	674	675	676	677	678	678	678	0	14 55	687	9 49	668	19
27	✓			680	680	680	682	682	684	686	683	679	675	674	674	673	667	662	658	662	670	677	678	679	680	679	680	676	0	6 19	686	15 31	657	29
28				680	680	682	682	682	684	686	685	684	687	685	681	677	682	675	669	671	674	677	681	677	676	676	678	680	1	6 30	687	15 14	669	18
29			✓	680	683	686	687	687	688	689	694	691	686	673	668	659	660	663	665	668	675	678	679	680	680	682	680	678	1	7 57	696	12 08	658	38
30			✓	677	675	675	676	678	677	688	694	692	686	678	669	664	666	664	664	666	672	677	681	687	687	687	687	678	1	7 52	698	15 12	662	36
31				688																							689		1					
MEANS ALL DAYS a)				678	678	679	679	680	681	682	682	681	679	678	678	676	675	673	671	670	672	674	676	677	678	678	678	677						a) 22
MEANS TEN DAYS ✲				679	680	680	681	681	682	683	681	679	677	678	678	676	674	675	673	671	673	675	676	678	678	679	679	678						19
MEANS FIVE DAYS † (G. M. T.)				678	679	678	679	680	680	680	679	679	679	680	681	678	675	675	674	672	673	673 675	675 676	677	678	678	678	678						
MEANS FIVE DAYS ‡ (G. M. T.)				679	680	681	679	681	681	685	688	685	680	675	672	666	666	667	665	665	670	674	677	677	676	677	678	676						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day August 31

TABLE 246

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1927 — SEPTEMBER 1927

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				667	684	686	684	685	686	689	691	686	678	675	672	671	679	672	669	671	674	680	682	682	686	689	686	681	1	7 00	693	12 13	669	24
2	✓			687	686	680	685	685	686	686	683	679	673	669	668	669	674	673	669	671	677	681	683	682	685	687	686	680	0	23 00	687	11 57	667	20
3				684	685	685	684	685	685	686	684	681	679	679	685	686	684	683	682	681	679	684	685	685	686	687	688	684	1	23 39	689	10 17	678	11
4		✓		687	686	686	685	686	687	682	678	673	668	670	673	678	687	686	685	685	680	680	681	683	684	682	683	681	1	13 54	690	9 19	668	22
5				679	681	681	683	683	686	690	687	680	677	679	680	680	(683	683)	669	666	672	676	679	679	678	678	676	679	1	6 33	691	16 05	664	27
6			✓	676	678	678	679	679	679	681	671	669	668	672	687	694	686	680	669	667	667	672	676	677	681	680	680	677	1	12 30	696	16 00	666	30
7			✓	683	683	683	684	683	682	683	684	682	680	678	676	677	676	681	677	675	680	683	683	684	686	688	688	682	1	23 59	688	11 48	675	13
8				687	686	689	687	688	686	687	684	681	682	678	683	691	685	678	674	670	673	676	676	678	680	683	682	682	1	12 20	695	16 29	669	26
9			✓	682	685	687	685	687	688	686	683	680	675	670	668	682	687	678	673	670	677	678	678	678	680	682	682	680	1	5 54	690	11 06	664	26
10			✓	682	682	685	685	686	689	690	688	684	677	680	683	684	692	686	687	681	678	679	679	679	680	682	682	683	2	13 57	693	9 15	674	19
11				686	687	686	686	687	687	690	693	692	691	690	691	693	691	689	680	672	675	679	679	680	683	684	683	686	1	7 33	694	16 42	671	23
12				686	684	686	686	687	686	683	675	672	662	656	667	681	681	680	678	675	677	679	680	679	681	681	680	678	0	4 46	688	10 43	655	33
13				681	682	685	686	687	687	689	685	674	661	651	650	653	658	669	670	672	675	678	678	680	679	680	679	675	1	6 21	690	11 12	648	42
14				682	683	685	686	688	687	687	685	682	683	680	683	684	680	674	673	671	674	680	680	681	683	684	684	682	0	4 30	688	14 31	668	20
15	✓			684	684	686	688	688	689	691	691	685	681	683	687	694	688	673	667	669	674	680	684	685	686	686	684	684	0	6 54	692	15 48	664	28
16	✓	✓		684	685	685	685	684	682	683	681	679	678	673	678	683	678	669	667	670	673	675	674	675	677	678	679	678	0	2 42	685	15 06	665	20
17	✓	✓		680	682	682	684	685	686	687	689	689	683	683	688	691	684	673	668	668	671	675	676	677	678	678	680	681	0	7 54	691	15 33	667	24
18	✓			681	681	682	684	686	688	688	686	681	676	(677	683)	686	685	673	666	663	669	676	676	677	676	678	680	679	0	6 28	689	16 08	662	27
19	✓			681	681	681	682	683	682	684	686	690	692	694	699	698	686	673	667	665	670	677	679	679	679	679	679	682	0	12 12	701	16 06	665	36
20	✓			680	680	681	682	683	684	682	681	678	675	676	680	689	681	675	667	664	668	676	677	678	679	679	681	678	1	12 28	692	16 12	664	28
21	✓			681	681	682	683	682	683	680	677	669	668	668	675	681	678	668	666	664	667	673	677	677	679	680	679	676	0	4 48	683	16 47	661	22
22		✓		678	679	681	681	682	682	679	678	674	668	673	680	680	674	675	675	670	671	673	674	674	675	676	679	676	0	4 15	682	9 45	666	16
23		✓		678	680	681	681	682	682	680	678	677	680	688	694	696	693	682	676	670	670	670	675	676	677	676	678	680	0	12 46	699	16 38	668	31
24	✓	✓		680	680	679	680	681	680	680	682	686	687	692	695	686	671	665	664	669	672	681	683	684	684	686	686	681	0	11 00	695	15 21	663	32
25				685	686	686	688	688	688	685	688	688	685	686	691	688	685	680	681	680	677	679	680	677	681	683	684	684	1	11 30	693	17 47	676	17
26				686	686	687	689	688	687	689	690	687	684	682	680	679	681	681	675	677	677	678	680	681	682	683	683	683	1	7 29	691	15 26	674	17
27				684	685	685	686	687	687	688	690	691	689	687	682	680	675	669	671	674	677	677	679	679	679	680	681	682	1	8 36	691	14 10	668	23
28	✓			683	684	686	688	689	690	694	697	695	688	687	681	665	655	658	663	662	665	674	675	674	676	675	676	678	0	7 33	698	13 32	654	44
29				677	679	679	681	682	684	684	686	681	680	678	678	676	679	678	677	672	673	678	679	678	678	677	678	679	1	7 30	689	16 42	670	19
30				681	680	681	682	682	683	684	680	675	672	671	672	671	670	668	664	664	668	672	674	677	677	679	680	675	1	5 52	684	15 44	663	21
31																																		
MEANS ALL DAYS				682	683	684	684	685	685	686	684	681	678	677	680	682	680	676	672	671	673	677	679	679	680	681	682	680						25
MEANS TEN DAYS ✲				682	682	683	684	685	685	686	685	683	680	680	683	684	678	670	666	666	671	677	678	679	680	681	681	680						28
MEANS FIVE DAYS † (G. M. T.)				680	681	682	682	683	682	682	682	681	679	682	687	687	680	673	670	669	671	674 675	677 676	677	679	679	680	679						
MEANS FIVE DAYS ‡ (G. M. T.)				682	683	684	684	684	685	684	681	678	674	674	677	683	686	682	678	676	676	678	679	679	681	682	682	680						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 247

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1927 — OCTOBER 1927

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		685	685	686	687	688	689	680	686	683	680	677	680	683	684	684	684	685	685	685	685	685	685	685	686	685	0	6 00	689	10 42	676	13
2				687	687	688	689	690	692	688	685	679	675	676	673	669	672	674	676	670	672	677	680	678	677	682	682	680	1	5 45	693	12 36	667	26
3				684	683	686	687	689	689	689	688	690	692	700	705	702	689	677	670	670	677	683	684	684	684	684	684	686	0	11 12	705	15 54	670	35
4	✓	✓		685	686	686	688	689	689	689	690	687	685	689	691	681	676	670	667	671	679	684	686	687	687	686	686	684	0	10 30	691	15 19	666	25
5				688	687	687	680	688	687	688	690	688	692	693	691	685	687	687	682	681	680	679	680	681	680	681	682	686	1	10 48	693	21 15	679	14
6				682	682	684	687	687	686	686	687	682	681	682	683	680	676	674	673	672	675	678	679	680	680	681	682	681	1	6 42	687	16 11	671	16
7				682	682	683	684	684	687	687	694	689	687	694	700	690	677	672	668	664	668	674	673	676	678	678	679	681	1	7 31	696	16 45	663	33
8				682	682	683	684	682	684	690	693	686	683	683	680	676	671	665	659	662	671	679	680	680	680	680	678	679	1	7 10	694	15 31	659	35
9				678	681	683	687	687	686	684	685	686	686	688	686	681	607	684	682	676	676	681	683	682	681	680	681	683	1	10 48	689	16 40	674	15
10			✓	682	683	684	688	683	685	684	685	691	685	689	683	674	671	667	667	668	671	676	677	676	676	675	676	679	2	8 03	695	14 30	665	30
11				678	679	680	682	683	682	683	681	676	673	665	656	654	662	664	665	669	672	674	676	675	677	674	674	673	1	4 15	686	12 00	653	33
12			✓	677	678	680	681	682	686	680	676	693	704	701	693	687	684	679	674	674	673	677	672	672	674	675	679	681	2	9 44	714	7 08	666	48
13			✓	680	678	678	679	682	682	684	687	688	688	693	687	679	681	677	672	671	673	675	676	677	678	679	680	680	2	10 05	699	16 22	670	29
14				678	679	680	682	684	685	688	690	686	683	679	674	672	669	669	662	656	660	670	674	674	675	675	676	676	0	6 51	691	16 39	656	35
15	✓			676	679	680	680	682	682	681	683	684	685	683	680	677	672	667	665	666	667	672	675	678	678	678	678	677	0	9 37	685	15 03	663	22
16	✓			677	677	678	680	681	681	680	683	681	678	(678	673)	671	669	663	663	667	670	675	678	678	679	680	681	676	1	7 21	684	14 22	662	22
17	✓	✓		681	682	683	683	685	684	685	688	689	690	689	689	688	678	671	665	664	669	675	678	679	680	680	681	681	0	9 58	691	15 57	664	27
18	✓			680	680	682	683	684	684	685	688	688	689	685	677	676	674	671	666	662	667	675	678	678	679	682	683	679	0	7 27	689	15 54	662	27
19				682	683	684	685	686	685	684	688	685	689	696	697	696	699	689	674	673	676	682	685	685	685	686	687	686	0	13 17	700	15 57	673	27
20	✓			687	687	687	689	689	688	685	683	681	687	686	686	683	679	679	675	675	679	683	685	686	685	685	685	684	0	4 12	689	15 36	675	14
21	✓	✓		684	685	686	687	688	688	683	676	669	664	665	666	678	683	678	666	667	673	680	682	682	682	683	684	678	0	5 15	690	11 24	663	27
22			✓	682	689	686	674	676	681	679	682	674	671	669	667	665	669	678	673	675	679	682	683	681	680	681	681	677	2	1 43	704	11 53	664	40
23			✓	681	686	686	690	689	690	695	696	697	691	684	682	685	667	684	681	680	682	688	689	688	688	689	690	688	2	7 39	699	11 08	679	20
24				689	692	693	695	696	694	691	688	685	681	681	672	671	671	670	673	677	678	684	685	686	685	686	688	684	1	4 33	697	11 45	669	28
25				688	689	691	691	693	690	689	694	704	707	702	700	700	702	698	697	696	689	691	690	687	687	687	688	694	0	9 12	708	21 0[illegible]	687	21
26				687	690	693	694	696	695	697	697	693	686	680	675	672	671	671	673	673	678	683	686	686	687	687	688	685	1	6 45	698	13 12	670	28
27				687	689	690	692	693	693	691	693	692	693	688	683	676	681	687	686	686	685	688	690	690	689	689	690	688	0	4 45	693	12 30	676	17
28	✓			688	689	690	690	691	693	694	695	696	694	690	686	687	685	681	675	673	680	687	689	688	688	687	687	688	0	6 51	696	16 15	671	25
29				686	688	690	692	692	692	693	695	696	700	698	691	681	675	668	666	671	681	688	688	684	686	686	687	686	0	9 33	701	15 30	666	35
30				686	688	690	689	689	688	689	692	694	691	687	686	682	676	672	667	669	678	685	688	689	688	687	686	685	1	8 20	696	15 39	665	31
31	✓	✓		686	686	687	690	690	685	684	692	701	708	706	696	686	681	679	679	682	685	688	689	687	687	688	688	689	0	9 09	708	13 45	679	29
MEANS ALL DAYS				683	684	685	686	687	687	687	688	688	687	686	683	680	679	676	672	672	676	681	682	682	682	682	683	682						27
MEANS TEN DAYS ✲				683	684	684	686	687	686	685	686	686	686	685	682	681	678	674	670	671	675	680	682	683	683	683	684	682						23
MEANS FIVE DAYS † (G. M. T.)				684	685	686	687	688	687	686	686	686	685	685	684	683	680	676	672	674	678	680 682	682 684	683	683	683	683	683						
MEANS FIVE DAYS ‡ (G. M. T.)				680	683	683	682	682	685	684	686	689	688	687	682	676	678	677	673	674	676	680	679	678	679	679	680	681						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 248

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1927

NOVEMBER 1927

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			689	689	690	691	692	691	690	691	695	697	695	687	680	677	677	677	680	683	685	687	688	688	687	687	687	0	9 39	697	13 22	676	21
2	✓	✓		688	688	689	691	692	694	695	695	698	702	700	697	686	680	679	677	678	682	685	687	688	689	688	689	689	0	9 24	704	15 27	677	27
3	✓			689	689	691	692	694	694	691	692	695	695	692	687	679	674	670	670	671	677	686	689	688	688	688	688	686	0	5 17	696	15 02	667	29
4	✓			689	689	690	692	693	694	690	690	696	703	702	694	686	683	680	672	671	675	684	690	690	692	691	689	689	1	9 36	704	16 00	670	34
5				689	690	691	691	694	692	689	686	691	695	693	691	686	682	677	673	669	674	682	685	686	686	686	686	686	1	4 54	695	16 18	668	27
6				686	687	688	691	691	687	685	689	695	698	703	712	714	705	693	681	676	679	687	690	691	691	691	690	692	1	12 00	717	16 15	676	41
7	✓	✓		688	688	688	688	690	687	687	694	699	705	703	697	695	693	691	686	679	682	686	688	690	690	691	691	691	0	10 06	707	16 54	678	29
8				691	689	688	690	691	686	684	687	692	693	696	701	703	701	697	690	690	689	691	693	691	691	691	692	692	1	12 51	705	6 48	684	21
9				690	690	690	691	692	689	689	696	702	701	705	708	701	700	697	688	679	682	689	691	690	690	690	689	693	1	11 09	710	16 39	679	31
10				689	689	690	692	694	689	678	677	678	677	683	678	672	674	672	672	673	680	689	692	691	689	690	691	683	1	4 15	694	12 27	672	22
11				690	692	692	695	696	695	692	693	696	691	690	689	681	674	670	670	675	681	687	691	691	691	690	690	688	0	5 18	698	14 32	668	30
12				689	690	691	693	696	695	696	697	696	694	691	692	687	678	672	667	671	678	685	689	688	689	689	690	688	0	6 54	698	15 24	666	32
13				689	690	691	692	695	693	697	705	708	709	709	710	705	701	695	687	688	689	690	692	692	692	692	692	696	0	8 45	711	15 45	686	25
14	✓	✓		693	694	693	694	696	696	699	705	711	711	710	708	701	691	685	680	680	683	689	692	691	691	690	690	695	0	8 42	712	15 29	679	33
15	✓			690	692	694	696	696	698	700	702	702	702	702	698	692	686	683	676	672	677	686	691	690	690	690	690	691	0	6 55	703	16 02	672	31
16				689	689	690	691	692	690	689	696	701	701	(701	704)	698	694	691	691	690	690	691	697	695	694	694	693	694	1	[11 30	704]	6 00	686	[18]
17				693	694	695	696	695	693	694	702	703	702	700	685	676	678	676	672	672	679	687	693	693	692	691	691	690	1	7 49	705	15 47	671	34
18			✓	690	691	694	693	694	696	698	704	708	714	719	710	703	703	702	695	687	687	691	692	693	693	692	691	698	2	9 57	726	16 18	686	40
19			✓	692	692	691	695	695	692	693	698	702	706	710	715	714	704	695	686	682	684	688	692	692	696	694	694	696	1	11 45	719	16 34	681	38
20				692	693	694	695	696	696	700	705	709	712	710	709	708	710	703	694	695	694	695	697	696	696	696	696	700	1	9 48	713	0 18	692	21
21			✓	695	694	695	696	697	692	691	695	697	696	702	699	688	680	672	667	672	680	690	694	693	693	694	693	690	1	11 03	703	15 06	665	38
22	✓	✓		693	693	693	693	693	690	694	703	710	710	710	709	695	686	672	668	671	679	688	691	691	692	691	691	692	1	10 56	715	15 09	666	49
23	✓			691	692	691	694	694	691	691	694	692	688	690	692	679	671	672	673	674	680	688	691	691	691	691	692	687	0	4 15	695	13 33	671	24
24				693	693	694	694	694	690	691	694	698	703	707	704	693	690	686	684	685	688	692	693	693	693	693	693	693	1	10 58	709	15 36	683	26
25	✓	✓		693	693	693	694	696	694	693	700	704	702	704	705	696	687	689	685	683	687	691	692	698	698	696	696	695	0	11 06	706	16 09	682	24
26				697	697	696	696	695	693	696	700	705	702	698	696	688	682	685	679	676	680	689	694	694	694	694	694	692	1	8 33	705	16 18	676	29
27				693	692	693	695	697	696	696	705	709	703	697	697	693	691	687	686	683	686	691	693	693	693	693	693	694	1	8 16	709	16 16	683	26
28				694	694	696	697	699	697	698	706	710	709	713	722	716	704	693	687	687	687	692	693	693	692	692	692	698	1	11 54	724	15 16	686	38
29			✓	692	693	694	695	696	695	699	703	707	706	707	701	693	686	679	678	682	684	689	692	689	688	689	690	693	1	8 36	708	15 29	677	31
30			✓	688	688	689	693	695	694	699	707	709	705	702	695	686	682	679	676	677	682	689	693	694	694	695	694	692	1	7 45	709	16 00	673	36
31																																		
MEANS ALL DAYS				691	691	692	693	694	693	693	697	701	701	701	700	693	688	684	680	679	683	688	691	691	692	691	691	692						30
MEANS TEN DAYS ✲				690	691	691	692	694	693	693	697	700	702	701	697	689	683	680	676	676	680	687	690	690	691	690	690	690						30
MEANS FIVE DAYS † (G. M. T.)				691	691	691	692	693	692	694	699	704	706	705	703	695	687	683	679	678	683	689 688	691 690	691	691	691	691	692						
MEANS FIVE DAYS ‡ (G. M. T.)				691	692	693	694	695	694	696	701	705	705	708	704	697	691	685	680	680	683	689	693	693	692	692	692	694						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 249

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

DECEMBER 1927 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME) DECEMBER 1927

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				692	693	693	695	695	691	696	713	722	720	715	714	708	701	691	684	684	689	691	694	694	693	693	692	698	1	8 21	723	15 42	683	40
2				691	692	693	692	692	691	692	698	707	710	710	702	689	683	687	684	686	686	689	694	694	693	693	692	693	1	9 47	712	13 11	682	30
3	✓			693	693	694	694	695	692	694	703	709	705	702	709	707	702	699	696	692	690	695	697	696	696	696	695	698	1	8 21	710	17 18	689	21
4	✓	✓		695	695	695	697	695	692	695	698	705	711	711	707	700	696	692	686	682	684	690	695	696	696	696	695	696	0	9 30	712	16 54	682	30
5				694	693	693	695	695	692	688	689	692	693	696	694	698	696	689	689	688	685	690	692	692	692	692	691	692	1	12 45	700	17 21	684	16
6				693	692	692	693	694	691	698	710	716	716	715	711	704	700	693	685	684	686	690	690	691	693	692	693	697	1	7 58	717	16 01	683	34
7				694	694	694	693	693	689	687	691	693	695	695	691	676	663	656	661	669	677	686	690	689	687	686	686	685	1	10 07	696	14 12	655	41
8				685	687	687	689	691	687	689	696	694	692	689	688	682	683	691	693	685	681	683	687	687	687	687	687	688	1	7 51	697	12 56	679	18
9				687	687	687	688	689	685	687	695	698	695	695	694	687	674	672	676	678	681	684	687	685	684	684	684	686	1	7 54	698	13 56	670	28
10				684	685	686	687	689	687	685	687	686	682	679	(675)	678	680	679	676	672	673	679	682	681	683	682	683	682	1	4 54	689	16 52	669	20
11	✓			685	686	687	688	688	684	684	685	682	686	691	687	672	665	671	674	674	676	680	685	685	685	685	684	682	0	4 39	689	13 21	664	25
12				683	683	684	685	686	685	688	695	705	710	707	701	697	693	689	683	682	681	681	685	685	686	685	684	689	1	10 06	712	18 01	679	33
13			✓	686	685	686	686	686	686	688	701	701	695	706	686	687	683	682	680	678	676	676	681	681	683	682	683	686	2	10 43	716	13 26	678	38
14			✓	685	683	684	685	686	685	692	706	710	712	702	696	687	683	683	679	672	675	680	686	687	685	685	685	688	2	9 08	715	16 30	671	44
15				686	681	683	685	688	689	691	698	697	696	697	698	691	686	679	672	673	679	685	688	688	688	688	687	687	1	7 12	698	16 09	670	28
16				687	687	687	689	690	689	692	700	702	698	695	698	701	702	696	690	685	684	686	687	687	688	688	688	692	1	13 36	705	17 06	683	22
17			✓	689	686	687	687	690	690	690	696	699	703	715	714	708	702	693	686	680	683	686	688	690	690	690	689	693	2	10 39	716	16 30	679	37
18			✓	688	689	687	690	690	690	693	692	694	695	701	698	694	688	685	(679)	679	681	683	687	686	687	687	687	689	1	10 36	702	15 50	677	25
19				687	688	688	688	690	693	698	699	694	693	689	(684)	679	678	675	674	674	681	685	689	689	689	689	689	687	1	7 08	701	15 32	673	28
20	✓	✓		688	687	686	686	686	684	687	694	690	689	695	691	681	678	679	684	688	686	685	687	688	688	688	688	687	0	7 39	695	13 06	677	18
21	✓	✓		687	687	687	687	687	684	685	695	705	700	697	691	689	685	688	689	692	693	689	690	687	686	686	686	690	0	8 21	706	5 46	682	24
22	✓			685	685	685	686	686	682	685	692	697	696	693	690	685	682	686	689	690	689	688	690	689	688	686	684	688	0	8 42	700	6 00	681	19
23				681	682	684	685	686	683	682	686	686	690	695	694	692	692	692	689	681	683	684	687	689	691	691	693	687	0	10 45	697	16 54	678	19
24	✓	✓		689	688	688	690	689	687	687	693	701	709	715	718	711	708	705	697	692	687	688	693	692	691	689	690	696	0	11 02	719	6 26	687	32
25	✓			690	692	693	693	694	690	690	689	686	690	694	692	688	687	680	680	683	688	689	691	690	690	688	689	689	0	10 19	695	14 48	678	17
26				691	690	691	692	693	690	690	692	689	687	691	698	695	683	673	668	668	679	686	691	691	688	688	690	687	0	11 56	700	14 57	662	38
27	✓	✓		691	691	692	694	695	691	692	696	695	692	695	694	679	676	676	684	688	691	691	695	694	693	692	690	690	1	4 31	696	14 02	675	21
28			✓	690	692	692	694	695	693	695	699	694	689	684	681	679	677	675	676	681	688	690	693	692	692	691	690	688	1	7 30	700	13 45	674	26
29				692	694	695	697	698	698	699	702	702	702	702	695	686	674	668	671	678	689	692	695	697	698	698	697	692	0	7 28	704	14 06	668	36
30	✓			698	697	697	698	700	698	701	709	715	720	715	704	700	701	687	670	672	686	693	697	698	699	699	698	698	0	9 12	720	15 45	666	54
31				701	698	697	700	701	703	704	710	711	709	709	695	683	687	684	681	687	690	692	698	700	701	700	700	698	1	7 59	713	15 11	680	33
MEANS ALL DAYS				689	689	689	691	691	689	691	697	699	699	700	696	691	687	684	681	681	684	687	690	690	690	690	689	690						29
MEANS TEN DAYS ✻				690	690	690	691	692	688	690	695	698	700	701	698	691	688	686	685	685	687	689	692	692	691	690	690	691						26
MEANS FIVE DAYS (G. M. T.) †				690	690	690	691	690	688	689	695	699	700	703	700	692	689	688	688	688	688	687 689	690 692	691	690	690	691	692						
MEANS FIVE DAYS (G. M. T.) ‡				688	687	687	688	689	689	692	699	700	699	702	695	691	687	684	680	678	681	683	687	687	688	687	687	689						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 250

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1928

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	481	480	468	480	481	476	454	461	477	490	498	498	486	478	475	477	474	471	475	483	484	484	481	478	479	1	10 48	508	6 31	446	62
2	✓			474	473	473	474	474	477	476	487	506	523	546	547	536	526	510	488	480	477	474	480	484	484	482	480	493	0	10 59	552	1 57	470	82
3				477	475	471	472	474	476	472	483	496	514	529	530	507	488	477	461	458	466	472	480	482	481	480	476	483	0	10 37	534	16 09	455	79
4				474	471	470	470	469	463	453	471	497	510	519	523	506	492	474	476	477	477	477	482	484	485	480	478	482	1	11 36	529	6 27	447	82
5				472	468	464	464	463	463	461	481	507	525	534	544	534	496	476	470	461	459	467	477	479	480	480	479	484	0	11 39	547	17 14	455	92
6				474	472	469	468	470	469	467	486	511	532	542	548	531	519	505	482	461	461	468	480	482	484	480	477	489	0	11 24	555	16 57	456	99
7				476	474	472	472	474	470	463	480	497	511	525	530	506	475	464	461	461	475	476	478	478	480	481	478	482	0	11 15	532	15 54	456	76
8	✓			475	472	471	469	470	466	461	477	490	498	526	539	512	499	494	473	458	461	463	473	474	474	474	475	481	1	11 12	542	16 30	455	87
9				474	474	472	471	472	467	460	472	500	517	538	537	528	522	510	492	474	472	472	478	480	479	477	476	488	0	10 56	545	6 16	456	89
10	✓			476	476	474	472	471	463	452	457	466	478	500	514	509	502	492	482	470	468	468	476	478	479	477	476	478	0	11 34	518	6 47	451	67
11	✓	✓		473	472	473	474	475	472	466	475	492	512	524	525	511	502	497	480	466	466	469	477	477	479	480	479	484	0	11 05	530	6 21	463	67
12	✓	✓		476	476	474	472	473	471	460	466	481	495	518	526	523	512	(485	472)	460	461	463	472	475	477	476	475	481	0	12 15	529	6 30	457	72
13	✓	✓		474	472	471	472	474	472	459	463	(478)	494	499	503	510	510	503	492	470	470	(472)	474	476	476	474	472	480	0	11 53	512	6 40	454	58
14	✓	✓		469	468	468	469	472	472	460	457	466	472	481	484	475	472	476	476	477	477	474	473	474	472	471	470	472	1	11 12	487	7 30	456	31
15	✓			470	470	470	470	468	466	459	462	478	488	492	486	472	466	475	476	482	482	480	480	480	476	472	467	474	1	10 16	495	6 35	456	39
16	✓			462	461	461	463	468	472	471	480	490	490	496	498	481	461	461	470	472	463	464	467	472	472	471	470	472	1	11 24	501	13 40	456	45
17				466	463	463	463	468	466	461	468	479	483	486	(491)	485	490	496	482	474	473	468	472	474	473	472	471	474	1	14 31	499	6 20	459	40
18				463	461	459	461	466	468	461	469	471	462	469	477	476	474	474	483	486	479	472	472	476	476	473	470	471	1	16 00	487	9 36	456	31
19				470	467	466	471	472	466	454	468	487	491	491	497	504	497	484	476	471	467	469	474	474	474	474	474	476	1	12 40	506	6 30	452	54
20				472	470	470	470	463	455	445	452	478	504	508	490	472	461	472	478	479	481	478	478	480	477	475	469	474	1	10 16	519	6 20	442	77
21				463	460	457	458	459	455	443	459	483	493	504	503	495	488	457	450	450	460	466	474	474	475	475	473	470	1	10 45	507	6 30	441	66
22				470	463	463	463	464	459	455	479	496	502	512	511	483	461	470	478	476	475	472	477	478	478	478	476	477	1	11 05	517	6 18	450	67
23			✓	471	464	460	461	459	458	450	471	492	504	518	522	520	492	468	460	461	470	475	(475	474	474)	473	472	477	1	12 10	527	6 14	446	81
24				471	470	466	465	463	460	455	470	491	511	513	(512)	509	494	490	482	474	471	473	474	476	(476)	476	476	480	0	10 03	519	6 25	451	68
25				472	468	464	463	466	460	453	471	492	511	525	534	534	506	472	459	455	463	468	472	473	474	473	472	479	1	11 59	541	6 30	450	91
26				471	470	468	467	464	461	447	451	480	504	509	509	490	482	478	470	463	463	470	476	478	482	484	486	476	0	10 59	512	6 40	443	69
27			✓	481	475	474	474	472	474	455	461	471	484	500	529	549	520	488	463	460	461	466	474	478	476	476	476	481	1	12 27	570	6 41	450	120
28			✓	474	472	471	469	463	461	454	470	504	518	518	521	522	518	506	491	478	478	474	475	480	480	480	476	486	1	11 43	531	6 07	450	81
29			✓	472	470	467	467	469	469	461	466	479	488	493	511	512	504	481	471	468	471	470	476	478	478	478	475	478	1	13 02	519	6 38	459	60
30				471	470	466	463	468	470	466	478	508	524	522	(524)	530	512	494	481	483	481	475	474	474	476	476	473	486	1	12 24	538	6 18	463	75
31	✓	✓		470	467	466	466	468	468	459	460	467	471	484	502	511	498	491	473	466	470	470	472	472	473	472	472	474	0	12 58	514	6 42	453	61
MEANS ALL DAYS				472	470	468	468	469	467	458	469	487	500	510	515	507	494	484	475	469	470	471	476	477	478	476	475	479						70
MEANS TEN DAYS ✲				472	471	470	470	471	470	462	468	481	492	507	512	504	495	488	478	470	470	470	474	476	476	475	474	479						63
MEANS FIVE DAYS † (G. M. T.)				472	471	470	471	472	471	461	464	477	489	501	508	506	499	490	479	468	469	469 470	475 474	476	477	477	475	479						
MEANS FIVE DAYS ‡ (G. M. T.)				476	472	468	470	469	468	455	466	485	497	505	516	518	502	484	472	468	470	472	476	479	480	480	479	480						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 251

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1928

FEBRUARY 1928

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			471	466	465	463	464	465	462	478	506	521	518	(505)	492	497	501	483	470	465	467	469	472	472	472	472	480	1	10 27	524	6 26	459	65
2				469	467	467	466	465	464	456	466	480	488	502	515	501	484	476	456	455	463	469	(473)	479	479	477	475	475	1	11 40	518	16 01	449	69
3				471	468	465	463	465	463	451	457	476	488	497	499	495	503	521	513	489	480	475	475	475	475	473	471	480	1	14 40	527	6 41	448	79
4				467	466	463	461	467	462	453	461	478	492	501	501	495	489	475	472	463	465	471	475	476	475	473	471	474	1	11 36	505	6 46	449	56
5	✓			466	465	467	466	467	463	453	461	479	482	476	476	468	459	465	465	463	469	475	476	475	474	473	473	469	1	9 05	485	6 35	452	33
6				470	468	466	467	467	465	456	461	481	498	513	526	517	487	466	458	464	463	465	471	475	475	473	471	476	1	11 20	528	6 40	452	76
7				470	466	463	463	465	463	457	463	488	506	513	509	489	479	475	468	471	469	470	475	477	477	477	476	476	1	11 23	517	6 30	453	64
8	✓	✓		475	473	471	471	473	474	467	469	481	487	500	510	509	489	471	466	459	463	468	477	477	475	475	475	477	0	12 04	517	16 10	457	60
9	✓	✓		472	469	467	467	467	465	454	461	482	504	519	521	509	488	476	472	472	471	469	472	472	472	472	473	478	0	11 15	523	6 40	451	72
10	✓	✓		471	470	467	466	465	467	467	477	495	507	515	517	508	496	491	475	463	458	463	472	473	472	472	472	479	0	11 20	518	17 20	457	61
11	✓	✓		472	471	470	468	471	470	461	471	490	511	528	528	525	522	511	493	482	477	469	469	471	471	472	472	485	0	10 59	534	6 34	457	77
12				471	468	466	462	461	461	457	469	495	513	524	521	513	507	506	493	485	481	478	474	474	473	472	472	483	1	10 34	528	6 30	453	75
13			✓	470	469	469	467	469	462	451	451	459	478	487	493	490	487	477	475	471	473	467	471	471	472	473	475	472	1	11 51	497	7 30	445	52
14				472	473	475	473	473	472	464	469	484	502	518	516	515	512	509	501	483	472	467	471	474	477	474	473	484	1	11 04	525	6 40	462	63
15				475	473	471	470	470	465	446	447	472	481	496	515	511	497	486	471	463	465	468	475	476	477	477	478	476	1	11 40	518	6 55	438	80
16				477	472	471	469	469	465	450	452	478	500	507	(505)	495	501	503	482	463	459	463	468	471	472	473	474	477	0	[11 00	509]	6 40	447	[62]
17	✓			473	473	471	470	467	462	454	456	476	498	513	517	500	481	465	456	455	457	459	465	471	473	473	473	473	0	11 50	518	6 42	450	68
18			✓	471	465	462	461	459	456	441	433	449	472	487	499	502	499	505	493	476	472	471	477	478	479	483	483	474	1	12 55	514	7 45	429	85
19			✓	475	472	470	466	467	461	446	443	453	471	497	511	507	503	493	479	463	458	461	467	473	474	473	472	473	1	11 30	513	6 53	437	76
20				471	469	467	465	464	462	453	460	481	494	503	507	499	493	482	471	462	459	465	471	479	481	479	477	476	0	11 10	511	6 40	450	61
21			✓	477	473	465	463	461	456	445	447	462	478	489	(495)	503	492	485	475	462	455	461	475	478	477	475	474	472	1	12 55	516	7 13	437	79
22				471	467	464	463	465	462	453	458	481	503	517	515	502	493	476	457	452	457	463	473	475	477	475	473	475	0	11 11	519	16 05	447	72
23	✓			470	465	465	466	466	462	453	456	475	497	505	498	486	472	462	461	459	462	464	469	473	473	472	471	471	1	10 31	515	6 50	448	67
24	✓	✓		467	464	464	463	464	464	453	457	476	499	522	526	501	475	461	451	448	454	458	465	471	474	471	468	472	0	11 00	532	16 30	446	86
25				468	464	465	465	463	459	443	441	458	469	482	482	482	482	471	462	452	458	467	471	473	472	472	472	466	1	10 51	498	7 16	435	63
26			✓	470	468	467	465	465	465	446	437	453	477	495	501	505	501	482	468	458	456	461	471	472	473	471	470	471	1	12 31	509	7 16	434	75
27				469	465	462	461	462	462	451	452	471	489	505	515	507	497	485	467	458	459	463	473	473	476	475	473	474	0	11 18	518	7 08	449	69
28				471	469	467	467	469	468	456	448	456	464	482	487	489	482	479	470	465	463	463	467	473	473	472	472	470	1	12 37	492	7 34	445	47
29	✓			470	468	466	466	466	464	453	451	466	482	492	495	488	488	482	470	462	464	465	467	471	472	471	470	471	0	11 00	497	7 00	448	49
30																																		
31																																		
MEANS ALL DAYS				471	468	467	466	466	464	454	457	475	491	504	507	500	492	484	473	465	464	466	472	474	475	474	473	475						67
MEANS TEN DAYS ✲				471	468	467	467	467	466	458	464	483	499	509	509	499	487	478	469	463	464	466	470	473	473	472	472	476						64
MEANS FIVE DAYS † (G. M. T.)				471	469	468	467	468	468	460	467	485	502	517	520	510	494	482	471	465	465	467 465	473 471	474	474	474	473	478						
MEANS FIVE DAYS ‡ (G. M. T.)				473	469	467	464	464	460	446	442	455	475	491	500	501	496	488	478	466	463	464	472	475	476	476	475	472						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 252

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1928 — MARCH 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			469	467	467	466	465	463	452	447	455	461	471	475	474	471	475	475	462	457	461	467	469	471	469	469	466	1	14 52	478	7 30	446	32
2	✓	✓		466	465	465	464	461	459	449	451	463	474	481	486	488	486	483	477	467	459	463	469	471	470	469	467	469	0	11 20	491	6 50	446	45
3	✓			467	465	465	465	466	465	458	463	477	489	500	505	500	497	492	477	465	462	463	466	467	467	467	466	474	0	11 25	506	6 40	456	50
4	✓	✓		464	463	462	462	465	465	456	455	465	476	490	498	491	488	484	478	471	462	458	465	467	467	466	465	470	0	11 40	499	6 55	453	46
5	✓	✓		463	462	462	462	462	460	449	441	447	461	473	481	482	482	480	468	457	451	453	462	467	467	470	470	464	0	12 10	485	7 30	438	47
6	✓			465	465	465	465	468	464	446	445	456	467	477	483	486	489	484	477	471	462	461	465	469	469	470	469	468	0	13 20	491	7 05	442	49
7				467	466	466	465	470	467	457	455	466	475	487	492	496	489	484	473	466	461	462	468	470	470	469	469	471	0	12 30	498	6 50	453	45
8	✓			469	466	466	467	469	468	455	447	457	473	492	507	515	507	492	475	462	457	459	464	467	467	468	468	472	0	12 39	516	7 30	446	70
9	✓	✓		465	464	464	464	465	464	453	453	465	479	491	501	506	503	489	473	461	459	461	465	467	468	469	469	472	0	12 58	511	6 50	450	61
10				468	467	467	467	466	464	447	442	447	462	482	502	515	515	506	493	478	466	463	467	467	467	467	465	473	0	12 41	522	7 30	441	81
11			✓	465	465	465	463	466	454	441	441	448	477	465	489	496	478	490	481	477	476	480	487	485	479	476	477	472	2	11 18	511	7 26	432	79
12			✓	477	475	475	475	475	470	461	461	467	477	489	509	513	522	525	521	504	485	475	473	472	472	471	467	484	1	1 07	527	6 59	455	72
13			✓	468	468	467	468	472	473	461	452	454	452	448	452	463	488	497	500	495	483	476	475	477	475	470	472	471	1	15 53	503	10 07	434	69
14			✓	472	471	472	473	480	481	463	463	472	481	487	504	517	517	515	501	489	481	472	469	468	468	468	467	481	1	12 28	521	6 51	458	63
15				467	467	468	468	471	471	466	469	471	476	486	(486)	489	494	494	485	474	467	467	467	468	467	466	466	474	0	14 01	496	7 01	463	33
16				465	465	465	465	464	463	455	450	454	463	465	476	483	491	493	494	484	476	466	465	466	466	466	466	469	1	15 25	497	7 10	446	51
17				462	462	462	463	467	473	472	471	479	487	488	490	487	483	478	477	475	467	463	464	467	466	466	464	472	1	11 04	493	18 30	460	33
18				467	468	469	469	471	471	462	461	470	481	486	497	501	505	499	495	485	471	465	467	467	467	467	467	476	0	13 33	508	7 05	459	49
19				465	462	461	461	463	463	459	461	474	487	487	488	487	487	480	477	474	473	467	466	466	467	468	465	471	0	12 00	492	6 59	457	35
20				464	464	463	463	465	467	464	465	473	476	473	473	476	479	473	467	463	466	466	465	466	466	466	466	468	0	12 53	480	1 05	461	19
21				467	467	467	467	469	468	463	458	463	472	475	476	473	471	472	473	470	464	463	465	467	469	469	468	468	0	11 40	479	7 10	456	23
22				467	467	467	467	470	467	453	445	452	463	473	478	479	475	465	465	465	464	464	467	470	472	471	471	467	1	11 55	482	7 19	444	38
23			✓	472	473	466	462	457	457	453	461	475	495	511	517	516	503	487	475	471	463	463	467	468	468	468	466	476	1	12 19	525	6 50	450	75
24				464	464	463	462	462	458	446	437	456	470	487	495	492	481	471	466	462	465	465	466	467	470	469	467	467	1	12 10	500	7 58	431	69
25				465	462	461	462	461	459	455	461	487	506	510	513	512	503	480	469	465	463	463	465	465	465	467	467	474	0	11 43	517	6 20	452	65
26				465	465	464	463	461	456	443	443	451	472	481	487	489	482	478	470	461	462	465	466	467	467	466	467	466	0	11 55	493	6 53	437	56
27	✓			465	465	465	464	464	463	457	457	466	478	491	497	502	496	488	472	457	457	463	463	465	466	467	465	471	0	12 09	505	17 10	453	52
28				464	462	461	461	462	460	451	451	452	465	481	492	507	502	487	480	472	466	464	462	463	464	465	463	469	0	12 26	510	7 10	446	64
29				461	459	460	462	465	466	461	453	458	467	482	491	492	491	480	473	466	461	461	461	462	463	465	465	468	0	12 20	493	6 55	453	40
30				465	463	463	465	466	464	457	453	453	460	473	486	490	487	468	471	471	466	464	462	463	464	464	464	467	1	12 18	493	8 30	452	41
31	✓	✓		462	462	463	465	465	465	464	460	459	462	467	473	480	477	479	465	462	461	462	461	462	463	463	464	465	0	12 50	481	8 00	457	24
MEANS ALL DAYS				466	465	465	465	466	465	456	454	462	474	482	490	493	492	486	479	471	466	464	466	468	468	468	467	471						51
MEANS TEN DAYS ✲				466	464	464	464	465	464	454	452	461	472	483	491	492	490	485	474	464	459	460	465	467	468	468	467	469						48
MEANS FIVE DAYS † (G. M. T.)				464	463	463	463	464	463	454	452	460	470	480	488	489	487	483	472	464	458	461 459	465 464	467	467	467	466	468						
MEANS FIVE DAYS ‡ (G. M. T.)				471	470	469	468	470	467	456	456	463	476	480	494	501	502	503	496	487	478	473	474	474	473	471	470	477						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 253

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1928 — APRIL 1928

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	463	463	463	466	467	467	467	468	460	454	456	455	464	472	465	465	462	465	465	465	467	467	469	465	464	1	13 32	480	11 00	444	36
2				458	461	465	465	467	467	463	463	462	466	479	491	492	492	486	483	474	473	473	472	471	468	466	463	472	1	13 08	499	0 33	453	46
3				465	464	466	470	471	473	473	471	473	473	479	485	477	466	470	467	463	463	465	465	467	471	467	468	470	1	11 35	487	13 48	459	28
4				465	465	466	467	471	473	473	480	487	495	501	496	487	478	462	459	463	469	467	467	468	467	467	467	473	1	10 29	506	14 55	455	51
5				467	467	463	465	471	472	472	476	481	485	492	486	482	472	458	455	454	458	464	468	468	468	468	467	470	0	10 23	497	15 00	452	45
6				466	463	462	463	465	465	473	485	495	495	490	480	471	469	457	448	452	458	459	466	467	464	463	465	468	1	9 21	501	15 15	445	56
7			✓	463	465	469	471	473	474	477	483	496	499	487	482	473	482	479	465	459	465	473	467	469	470	470	469	474	1	9 30	504	16 46	453	51
8				465	465	465	464	467	471	481	493	497	493	487	480	470	473	468	461	457	459	462	462	462	464	465	465	471	1	8 55	501	17 10	455	46
9				465	465	464	464	465	465	466	469	473	475	498	515	510	500	484	467	456	458	464	465	465	465	465	466	473	0	11 45	518	16 50	453	65
10			✓	461	461	463	464	464	463	462	463	461	463	473	481	478	477	472	472	472	471	465	466	466	467	467	467	467	1	11 23	490	8 34	452	38
11	✓			465	465	465	466	467	467	467	470	477	481	487	492	485	481	473	468	467	466	464	461	462	464	465	463	470	0	11 21	495	18 58	461	34
12	✓	✓		462	465	465	465	467	470	473	476	483	494	504	505	496	491	485	473	466	462	459	459	459	461	461	460	473	0	11 00	508	19 20	458	50
13	✓	✓		461	462	463	465	467	467	463	455	455	457	461	470	481	488	488	481	470	461	458	457	459	463	462	461	466	0	13 55	491	8 00	453	38
14	✓			460	461	462	463	466	473	475	472	471	469	467	472	479	485	481	471	462	457	456	457	457	460	461	459	466	0	13 30	487	18 24	454	33
15				459	459	459	457	461	467	472	475	476	470	465	467	465	459	454	453	457	460	458	463	465	463	467	467	463	1	8 19	478	15 04	450	28
16				467	466	468	473	475	475	477	483	487	492	(494)	497	493	483	473	467	463	462	467	470	469	468	468	466	475	1	11 57	500	16 50	461	39
17				465	465	465	469	469	473	470	470	471	474	475	476	473	472	471	469	468	472	467	465	465	465	465	465	469	1	9 10	480	0 30	463	17
18	✓			465	465	464	464	465	469	471	469	470	471	468	469	472	469	467	467	466	465	465	462	462	463	463	462	466	0	6 00	474	19 30	461	13
19				462	462	463	464	465	468	472	471	475	477	477	475	465	461	460	459	461	462	465	465	468	472	463	466	467	0	10 30	479	15 23	457	22
20			✓	464	466	465	465	467	468	471	476	483	492	493	(493)	482	465	463	463	466	466	465	463	463	462	462	461	470	1	9 47	498	14 01	457	41
21			✓	463	459	461	461	464	461	455	461	469	468	467	470	472	464	461	462	465	(464	464)	463	466	467	465	462	464	1	8 54	490	11 50	455	35
22				463	463	465	467	465	466	468	477	486	483	483	484	482	476	463	462	461	459	460	462	462	462	461	461	468	0	8 50	488	17 00	458	30
23				462	462	463	463	464	468	468	475	483	488	492	496	491	477	473	467	466	466	463	459	459	460	460	460	470	0	11 59	498	20 30	458	40
24	✓			461	461	463	463	463	464	463	465	469	469	472	488	495	493	483	477	472	467	462	459	459	459	461	459	469	0	12 51	496	21 12	458	38
25	✓	✓		458	459	460	461	464	466	463	465	472	482	493	503	506	498	491	477	465	465	461	459	459	461	461	461	471	0	12 10	508	0 50	457	51
26				462	462	462	463	466	468	468	467	467	469	480	499	511	512	503	483	467	458	454	456	458	460	461	461	472	0	13 24	514	18 50	453	61
27				461	461	462	462	462	462	460	460	461	468	480	493	493	489	484	480	472	467	459	457	457	459	461	459	468	0	12 42	497	20 27	456	41
28	✓	✓		459	459	459	461	462	463	465	463	461	462	463	471	475	481	486	484	476	467	459	457	458	459	461	460	465	0	14 40	487	19 42	455	32
29	✓	✓		459	461	461	461	460	459	453	443	437	448	462	479	488	487	483	478	469	463	459	457	457	459	461	459	463	0	12 31	489	8 20	436	53
30	✓			460	461	461	459	460	462	463	461	455	454	462	470	471	475	481	475	462	457	457	457	458	459	461	462	463	0	14 35	485	9 10	451	34
31																																		
MEANS ALL DAYS				463	463	463	464	466	468	468	470	473	476	480	484	483	480	474	469	464	464	463	462	463	464	464	463	469						40
MEANS TEN DAYS ✻				461	462	462	463	464	466	466	464	466	469	474	482	485	485	482	475	468	463	460	458	459	461	462	461	467						39
MEANS FIVE DAYS † (G. M. T.)				460	461	462	463	464	465	463	460	462	469	477	486	489	489	487	479	469	464	461 459	459 458	459	460	462	460	468						
MEANS FIVE DAYS ‡ (G. M. T.)				463	463	464	465	467	467	466	470	474	475	475	476	474	472	468	465	465	466	466	464	465	465	463	464	468						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 254

DECLINATION

7 ° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

MAY 1928 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		462	463	464	466	467	466	464	452	437	434	439	443	450	450	454	462	464	463	460	458	458	461	460	459	456	0	4 40	468	9 25	433	35
2	✓	✓		462	463	463	464	466	468	468	461	447	438	434	443	454	464	469	468	462	458	456	456	456	460	460	460	458	0	14 55	470	10 03	432	38
3	✓	✓		463	464	464	464	466	470	477	471	463	464	466	470	467	463	468	474	474	468	459	459	460	461	460	460	466	0	6 22	478	19 20	458	20
4	✓			460	460	460	460	462	468	472	468	468	459	448	454	464	470	479	479	469	468	466	460	460	464	460	462	464	0	15 05	484	10 26	445	39
5				466	471	471	473	474	474	484	477	460	456	459	464	453	448	454	454	455	456	454	453	456	460	462	464	462	1	7 18	493	12 52	441	52
6				465	468	468	470	472	472	472	477	479	480	481	484	483	479	487	492	474	464	460	459	460	462	462	462	472	0	15 39	495	19 40	458	37
7				463	464	465	468	470	473	476	470	464	463	464	474	472	477	479	474	469	468	464	460	462	467	468	468	468	0	16 40	480	9 55	458	22
8				465	459	458	458	460	470	480	486	493	486	484	475	473	478	482	477	470	468	462	458	459	463	463	462	470	1	8 25	500	4 10	450	50
9	✓			462	462	464	465	464	466	470	472	464	458	460	463	469	476	483	481	474	469	461	458	460	462	462	462	466	0	14 13	485	10 20	455	30
10			✓	462	463	464	464	466	468	474	476	469	450	454	458	461	468	480	474	468	469	473	467	469	468	464	466	466	1	14 35	483	9 30	439	44
11				466	467	469	469	474	480	492	490	480	478	479	480	492	492	484	480	464	460	460	458	454	464	467	464	473	1	12 37	498	20 25	452	46
12			✓	464	467	472	474	483	479	492	500	492	474	476	467	479	485	490	484	466	459	460	458	460	464	458	448	473	1	8 04	506	23 43	444	62
13				452	456	460	464	474	479	481	472	474	474	473	464	464	466	471	470	469	465	463	458	459	461	463	464	466	1	6 10	488	0 16	446	42
14				464	467	466	464	468	476	483	483	486	483	484	484	489	496	494	482	470	468	461	460	464	464	464	464	474	0	14 00	497	19 04	457	40
15				464	464	464	464	467	469	471	477	472	472	469	478	490	493	487	482	469	458	449	458	457	459	461	460	469	1	13 10	498	18 12	447	51
16				460	462	463	464	467	469	471	466	464	460	460	(460)	462	470	471	460	463	461	459	458	458	460	464	463	463	1	14 01	480	21 20	455	25
17				464	458	461	464	470	472	474	469	464	466	457	459	466	468	474	472	468	464	459	456	458	459	460	457	464	1	6 22	479	23 59	452	27
18				456	457	463	466	468	475	490	496	491	478	459	456	468	474	464	467	462	462	460	460	461	460	460	459	467	1	7 22	499	0 10	448	51
19				459	456	456	452	460	469	482	483	477	472	474	478	477	480	476	464	454	457	459	458	459	459	459	459	466	0	6 53	488	3 48	447	41
20	✓			460	460	462	462	466	466	474	476	474	471	467	475	478	474	472	470	460	457	455	456	459	460	461	460	466	0	12 19	480	18 20	454	26
21	✓			460	460	458	458	459	459	454	458	456	456	452	452	449	452	462	463	458	458	457	456	458	460	461	461	457	0	14 30	466	12 30	446	20
22	✓	✓		460	460	462	463	463	464	468	468	467	464	461	461	464	466	473	477	472	459	455	456	459	460	461	462	464	0	15 30	479	18 30	454	25
23	✓			461	462	462	463	464	466	469	467	458	454	454	451	459	468	473	471	466	464	459	456	456	456	456	456	461	0	14 01	474	11 30	449	25
24				456	458	463	462	466	472	480	480	478	474	470	473	477	476	480	480	468	459	458	457	457	457	457	457	467	0	14 48	485	1 10	455	30
25				458	458	460	462	464	466	463	461	448	440	442	451	464	480	490	486	469	459	457	457	458	458	459	460	461	0	14 40	492	9 30	438	54
26	✓	✓		460	462	462	460	464	469	479	473	464	465	467	466	464	475	479	474	459	454	449	448	449	453	455	454	463	0	6 25	483	19 20	447	36
27			✓	456	458	460	465	468	472	476	472	468	466	476	476	464	456	464	465	469	465	452	449	450	448	449	452	462	1	10 49	488	22 55	443	45
28			✓	446	432	437	442	449	470	489	520	492	491	468	464	457	462	451	453	466	482	481	474	470	463	464	462	466	2	7 22	531	1 11	424	107
29			✓	466	464	464	466	461	462	474	493	504	504	500	498	480	469	474	478	466	464	464	463	463	461	465	464	474	2	9 23	521	4 30	457	64
30				467	467	468	472	472	478	484	482	476	464	457	464	484	495	486	474	469	464	460	460	462	464	463	463	471	1	13 28	497	10 33	454	43
31				464	464	465	468	473	479	485	480	470	464	460	463	464	459	453	454	457	458	453	454	464	466	466	464	464	1	7 00	492	18 50	449	43
MEANS ALL DAYS				461	461	463	464	467	471	476	477	471	466	464	466	469	472	474	472	466	463	460	458	459	461	461	461	466						41
MEANS TEN DAYS ✲				461	462	462	462	464	467	470	467	460	456	455	458	462	466	471	472	466	462	458	456	458	460	460	460	462						30
MEANS FIVE DAYS † (G. M. T.)				461	462	463	463	465	467	471	465	456	453	453	457	460	464	469	471	466	460	457 456	457 455	458	460	460	460	462						
MEANS FIVE DAYS ‡ (G. M. T.)				459	457	459	462	465	470	481	492	485	477	475	473	468	468	472	471	467	468	466	457	457	458	459	459	468						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 255

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1928 — JUNE 1928

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				461	464	464	467	462	464	472	480	475	463	458	458	454	450	459	458	454	454	452	458	457	464	461	459	461	0	7 55	484	13 10	446	38
2				459	459	463	465	467	470	475	479	474	468	459	458	454	461	474	479	468	459	458	458	459	460	463	461	465	1	14 48	487	12 20	449	38
3				458	456	459	459	459	459	464	476	481	479	478	479	482	485	485	478	466	463	461	460	458	459	458	458	468	0	13 40	490	1 35	454	36
4				455	453	459	464	468	470	473	481	474	464	457	460	469	474	483	473	464	463	459	457	458	461	458	456	465	1	7 35	489	1 46	451	38
5				454	450	451	452	464	469	483	490	486	480	471	470	474	471	466	464	451	454	459	452	454	457	459	459	464	1	7 15	494	1 52	445	49
6				459	462	464	469	469	469	474	479	479	476	474	480	487	491	491	474	458	457	454	453	454	458	459	458	469	0	14 05	496	16 50	451	45
7			✓	457	456	462	463	466	466	469	474	473	480	471	470	465	474	479	470	464	461	457	455	456	457	462	462	465	1	9 40	489	21 05	453	36
8				459	462	464	465	465	459	454	477	478	487	484	493	496	492	483	471	458	451	454	452	461	460	461	462	469	1	11 50	500	17 05	448	52
9				462	463	465	464	466	468	473	471	464	449	449	449	457	468	471	469	468	462	454	455	457	458	459	460	462	1	6 22	474	9 44	445	29
10	✓	✓		460	462	464	464	465	468	478	483	478	467	468	469	474	475	467	458	452	454	454	452	453	454	456	458	464	0	7 20	484	16 40	450	34
11	✓	✓		457	459	461	461	463	463	461	461	455	449	449	454	467	470	473	470	461	454	449	447	453	455	457	458	459	0	14 35	474	19 35	444	30
12			✓	457	448	458	461	459	459	463	472	472	461	467	474	480	474	469	466	458	456	455	457	458	459	459	460	463	1	12 30	483	1 32	442	41
13			✓	460	462	458	462	463	466	446	459	467	470	470	461	470	472	464	459	459	459	454	454	464	459	463	463	462	1	12 50	479	6 42	437	42
14				461	459	461	464	466	469	479	484	482	471	461	456	466	470	464	461	458	459	461	459	461	460	459	459	465	1	7 08	489	11 20	451	38
15				458	458	456	458	461	471	481	484	470	458	(465	466)	467	468	466	460	454	453	454	454	457	460	460	458	462	0	7 14	499	17 10	449	50
16	✓	✓		459	461	459	459	462	469	474	471	459	453	449	453	461	467	469	463	456	456	455	454	456	460	459	454	460	0	6 45	478	10 10	448	30
17	✓	✓		456	458	458	459	462	466	476	475	462	452	450	459	455	467	478	468	456	454	456	454	455	457	458	457	460	0	14 35	479	10 05	443	36
18	✓			455	457	459	460	461	461	467	473	473	471	477	477	480	481	467	455	454	452	450	451	451	452	454	455	462	0	12 55	486	18 40	448	38
19	✓			455	456	457	461	464	462	468	466	465	458	458	464	476	482	482	469	459	454	450	451	452	453	453	454	461	0	14 25	484	18 45	448	36
20				453	453	453	459	460	463	467	475	474	474	475	470	478	474	466	451	439	448	460	455	453	455	458	457	461	0	12 39	480	16 30	438	42
21	✓			455	460	462	459	461	458	459	469	474	481	486	486	487	493	490	474	459	451	451	453	454	458	458	455	466	0	13 46	496	18 21	449	47
22			✓	454	457	447	430	447	459	469	474	467	460	448	453	469	490	481	464	443	443	453	451	454	460	460	460	458	1	13 43	498	3 59	417	81
23			✓	462	465	468	467	467	468	478	486	483	477	466	470	477	485	474	458	450	452	449	449	451	454	457	458	465	1	13 39	489	16 55	445	44
24				461	460	461	465	464	463	475	483	483	473	469	470	483	486	477	463	444	445	450	454	465	458	462	464	466	1	12 50	489	16 56	439	50
25				464	463	457	459	463	469	474	481	480	475	475	474	491	498	485	466	455	454	454	452	453	456	459	459	467	0	13 40	500	17 10	448	52
26	✓			459	459	460	460	463	469	472	467	456	448	451	456	465	469	465	463	459	460	457	454	454	457	459	457	460	0	13 33	473	9 28	446	27
27	✓	✓		458	459	459	461	463	465	474	476	465	449	449	451	454	455	464	461	458	455	450	448	450	455	456	457	458	0	7 13	479	9 50	444	35
28				458	459	460	460	465	470	473	475	479	477	472	474	487	476	472	470	462	458	459	458	456	456	459	456	466	0	12 40	490	21 15	454	36
29				454	453	451	454	459	466	469	469	456	445	452	453	460	464	468	465	464	459	454	451	453	455	454	454	458	0	7 01	473	9 40	443	30
30	✓			454	454	454	454	459	468	475	483	483	474	468	461	461	454	451	451	450	451	451	450	450	453	454	454	459	0	8 08	488	19 50	449	39
31																																		
MEANS ALL DAYS				458	458	459	460	463	466	470	476	472	466	464	466	472	475	473	465	457	455	454	454	456	457	458	458	463						41
MEANS TEN DAYS ✲				457	458	459	460	462	465	470	472	467	460	460	463	468	471	471	463	456	454	452	451	453	455	456	456	461						34
MEANS FIVE DAYS † (G. M. T.)				458	460	460	461	463	466	473	473	464	454	453	457	462	467	470	464	457	455	455 453	454 451	455	458	459	457	460						
MEANS FIVE DAYS ‡ (G. M. T.)				458	458	459	457	460	464	465	473	472	470	464	466	472	479	473	463	455	454	454	452	455	458	459	458	462						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 256

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1928

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			454	452	454	460	461	467	474	475	470	464	464	464	468	469	474	464	449	450	449	448	450	452	455	456	460	0	7 15	480	17 05	445	35
2			✓	454	453	454	458	465	471	475	487	479	468	474	478	466	455	456	444	444	448	449	449	450	452	456	454	460	1	7 47	492	16 45	441	51
3				453	450	450	452	447	454	457	468	471	470	466	457	448	446	439	443	449	455	448	447	446	452	455	459	453	1	8 11	477	14 46	436	41
4				459	459	458	458	457	464	464	470	474	468	474	454	459	455	450	441	440	447	445	449	454	455	456	455	457	0	10 14	479	16 30	439	40
5				454	456	460	461	462	466	474	486	485	473	461	464	467	473	449	442	444	444	449	(450)	452	456	455	454	460	1	7 57	494	16 00	440	54
6				456	453	451	456	458	460	466	474	468	465	471	463	464	464	458	453	457	456	450	448	449	450	456	454	458	1	7 21	478	20 10	444	34
7			✓	454	455	452	456	462	468	472	467	457	449	453	460	468	469	460	441	439	446	420	448	391	457	422	387	448	2	6 22	476	23 20	327	149
8				430	390	421	467	506	504	496	521	550	542	543	510	489	472	472	467	472	471	467	465	464	462	466	464	480	2	10 44	570	1 20	362	208
9			✓	459	463	464	466	466	472	487	504	498	491	478	480	482	478	474	461	450	449	454	457	456	459	461	463	470	1	7 44	512	17 20	446	66
10				458	460	461	464	464	460	461	482	484	476	474	485	489	487	471	454	444	450	454	454	455	458	459	460	465	1	11 55	491	16 15	442	49
11				461	456	456	462	464	461	465	474	472	472	473	468	473	476	473	470	467	459	459	459	460	459	462	457	465	1	12 53	479	23 20	453	26
12				460	461	462	466	469	471	483	479	470	459	458	458	462	466	465	460	458	459	457	454	455	458	459	459	463	0	6 30	486	9 41	453	33
13	✓	✓		459	460	460	463	464	466	470	470	461	456	458	465	474	488	492	479	467	457	455	457	458	458	458	459	465	0	14 20	496	18 40	454	42
14	✓			458	456	461	464	468	470	472	464	449	438	442	450	458	471	478	479	474	466	461	459	459	458	458	459	461	1	14 55	480	9 55	434	46
15	✓	✓		459	459	459	461	463	468	470	464	449	438	447	457	468	470	470	478	475	466	459	454	457	459	456	459	461	0	16 00	479	9 40	434	45
16	✓	✓		457	458	462	465	466	472	484	484	468	457	449	442	448	459	466	474	474	468	459	454	454	458	459	459	462	0	6 44	489	11 30	439	50
17	✓	✓		459	460	463	466	469	471	477	478	469	464	459	(468)	476	486	483	477	471	459	453	449	450	453	455	454	465	0	13 45	489	19 37	448	41
18				456	458	458	462	466	472	481	476	463	451	460	466	478	480	484	481	471	459	460	460	460	460	460	459	466	1	14 07	492	9 14	448	44
19	✓			458	458	457	460	462	463	464	472	471	481	496	494	479	468	464	472	476	474	463	459	456	456	458	457	467	0	11 01	501	0 45	454	47
20	✓	✓		455	454	457	457	461	465	465	462	464	467	475	494	482	451	454	458	456	451	450	454	453	454	454	454	460	0	11 50	499	13 50	447	52
21				456	457	460	461	465	473	483	488	486	482	499	519	515	482	458	453	460	461	460	466	469	466	463	461	473	1	12 10	524	15 02	449	75
22			✓	454	444	448	444	452	458	469	481	491	498	501	510	506	489	464	434	426	448	453	452	454	458	457	460	465	1	12 05	515	16 30	421	94
23				462	462	462	461	465	469	471	487	493	489	487	506	514	503	491	485	476	469	459	456	457	455	457	458	475	0	12 10	519	21 40	451	68
24				459	459	462	461	464	464	483	491	494	491	479	481	476	468	456	443	439	443	450	449	451	451	453	454	463	0	8 06	499	16 55	436	63
25				455	456	458	464	467	470	479	484	475	456	454	468	487	473	464	465	462	454	449	449	454	458	459	455	463	0	12 19	492	18 40	448	44
26				455	452	452	454	460	464	469	486	486	485	492	505	511	498	484	474	460	454	458	453	450	453	455	455	469	1	12 40	515	20 20	449	66
27				458	458	459	462	465	464	459	449	441	439	448	461	484	492	491	491	478	464	454	451	452	452	452	451	461	1	13 10	495	9 40	437	58
28				452	454	463	463	459	457	457	452	451	445	448	453	467	472	472	462	458	459	460	460	458	458	459	455	458	1	13 55	477	10 04	424	53
29	✓			457	456	457	462	462	466	475	479	464	444	437	448	467	482	489	483	474	464	455	450	450	452	454	454	462	1	14 30	491	10 05	434	57
30	✓			453	453	455	457	459	466	481	481	466	453	456	463	470	473	464	458	457	453	449	447	449	451	454	455	459	0	6 30	486	19 15	445	41
31			✓	459	462	463	464	465	470	475	474	469	465	452	450	453	461	479	479	471	460	454	[454]	Δ			Δ		1	[7 06	486	11 45	445	41
MEANS ALL DAYS a)				456	454	457	460	464	467	473	478	474	468	469	473	476	474	469	463	459	457	454	454	452	456	456	455	463						a) 59
MEANS TEN DAYS ✻				457	457	459	462	464	467	473	473	463	456	458	464	469	472	473	472	467	461	455	453	454	455	456	457	462						44
MEANS FIVE DAYS † (G. M. T.)				458	458	460	462	465	468	473	472	462	456	458	465	470	471	473	473	469	460	460 455	456 454	456	458	458	459	463						
MEANS FIVE DAYS ‡ (G. M. T.)				456	455	456	458	462	468	476	483	479	474	472	476	475	470	467	452	446	450	446	455	456	456	459	458	463						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Thirty days only, omitting incomplete day July 31

TABLE 257

DECLINATION

7°. EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				Δ																		Δ	448	449	450	449	452							
2				454	458	458	463	468	473	476	470	460	448	442	442	449	458	469	474	469	456	449	449	449	452	453	454	458	0	6 25	478	11 05	438	40
3				454	456	458	461	465	468	468	469	464	459	455	454	457	444	441	447	454	455	452	449	450	452	452	454	456	0	7 19	471	13 50	439	32
4			✓	454	457	457	457	459	465	473	478	481	473	472	479	476	451	443	445	459	454	457	460	469	470	465	459	463	2	12 20	485	15 20	439	46
5			✓	449	438	441	456	466	474	481	485	481	463	465	468	468	463	451	444	446	455	451	446	451	453	455	457	459	2	7 33	495	1 21	434	61
6				457	455	457	462	467	470	471	474	474	479	482	487	496	482	464	455	460	466	467	469	465	459	460	455	468	1	12 25	500	15 04	450	50
7			✓	453	448	443	442	447	449	455	464	462	459	463	469	477	473	468	465	467	466	459	454	454	454	456	456	458	1	12 50	480	2 53	438	42
8				453	452	449	453	458	464	469	472	473	475	472	467	468	469	473	464	453	453	449	449	450	451	452	453	460	0	9 29	477	2 14	447	30
9	✓			451	452	453	457	460	463	470	475	470	466	470	478	485	493	488	470	459	458	456	452	450	452	452	453	464	0	13 40	496	1 00	449	47
10	✓	✓		453	453	454	457	459	464	478	476	465	450	447	450	465	465	467	459	456	453	454	454	455	455	453	452	458	0	7 00	483	11 04	444	39
11				450	447	443	448	455	458	467	475	473	468	465	467	472	469	461	458	458	461	455	450	449	450	453	454	459	0	7 05	478	20 20	439	39
12				454	454	443	450	460	467	470	471	466	462	466	458	459	474	475	469	468	464	460	456	459	459	456	456	462	1	14 00	480	2 30	441	39
13				454	449	450	450	450	455	469	479	477	464	449	454	464	461	464	474	473	463	454	452	454	455	455	455	459	1	7 25	487	10 43	445	42
14	✓	✓		453	453	452	454	458	465	475	476	464	441	429	434	439	443	451	463	463	457	452	449	450	451	452	452	453	0	6 40	478	11 00	424	54
15		✓		454	454	454	456	458	465	474	473	464	454	447	(448)	450	456	459	454	454	453	450	451	453	453	453	453	456	0	7 00	479	[10 45	444	35]
16	✓			455	456	457	460	463	468	478	479	474	465	453	449	458	455	458	461	454	449	446	448	448	449	451	451	458	0	7 05	482	11 17	444	38
17				451	453	454	456	460	465	477	472	463	449	431	421	427	438	450	458	464	458	451	449	449	450	452	452	452	0	6 44	479	11 30	419	60
18				451	454	455	460	464	469	478	479	474	469	459	454	451	452	451	452	454	450	449	447	449	451	452	450	457	1	7 00	483	19 30	446	37
19	✓			452	452	453	454	458	462	471	472	466	463	455	451	454	458	459	455	452	452	452	447	448	449	450	449	456	0	7 04	474	19 30	447	27
20	✓	✓		449	450	452	454	459	461	468	467	462	456	454	449	453	456	463	467	462	455	450	448	448	449	450	450	456	0	6 30	470	11 53	445	25
21	✓			449	449	452	454	457	462	471	470	458	447	438	438	448	465	474	474	462	448	447	446	447	449	450	450	454	0	15 20	476	11 10	433	43
22	✓	✓		450	453	453	455	457	460	463	463	454	443	444	449	454	457	467	465	459	449	444	444	444	447	449	449	453	0	14 57	470	9 30	440	30
23				449	449	454	459	461	464	475	478	470	464	459	457	457	456	458	460	456	450	451	452	451	453	451	446	458	1	7 07	483	23 50	444	39
24				448	449	452	452	454	461	468	460	447	440	441	441	449	459	464	469	463	454	453	451	452	453	450	449	453	0	15 35	470	9 40	436	34
25				449	448	450	451	456	460	466	458	448	434	432	440	454	465	478	483	475	464	460	460	456	453	449	453	456	0	15 00	485	10 15	428	57
26			✓	450	441	445	447	448	463	478	480	472	456	445	444	456	458	473	479	457	456	465	465	466	467	454	457	459	2	15 10	483	1 22	437	46
27			✓	461	446	461	472	460	480	488	491	481	464	459	461	459	454	457	463	461	462	459	457	454	456	455	454	463	2	7 09	497	1 33	436	61
28				454	454	457	461	465	468	471	470	463	451	457	458	452	464	467	477	479	472	461	454	456	457	457	453	462	0	16 10	484	9 54	444	40
29				453	454	459	461	463	464	462	459	441	440	458	454	445	460	473	474	468	455	454	451	450	453	453	453	457	0	15 40	476	9 10	435	41
30	✓			454	454	454	458	462	470	483	473	460	444	435	443	445	445	445	444	446	444	449	448	449	450	449	449	452	0	6 38	487	10 40	434	53
31	✓			451	450	453	456	460	466	473	469	463	448	440	449	454	452	452	454	453	448	450	449	449	454	449	449	454	0	6 40	474	10 28	438	36
MEANS ALL DAYS a)				452	451	452	456	459	465	472	473	466	456	453	454	458	460	462	463	460	456	454	452	452	454	453	453	458						a) 41
MEANS TEN DAYS ✲				452	452	453	456	459	464	473	472	464	452	446	449	456	459	462	461	457	451	450	448	449	450	450	450	456						40
MEANS FIVE DAYS † (G. M. T.)				452	453	453	455	458	463	472	471	462	449	444	446	452	455	461	462	459	453	452 450	449 449	450	451	452	452	455						
MEANS FIVE DAYS ‡ (G. M. T.)				453	446	449	455	456	466	475	480	475	463	461	464	467	460	458	459	458	459	458	461	461	460	456	456	461						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day August 1

TABLE 258

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1928 — SEPTEMBER 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				453	453	454	458	462	467	479	474	454	433	418	419	417	428	448	451	451	442	443	443	448	449	447	441	447	0	6 56	481	10 50	414	67
2				450	454	458	461	464	473	489	487	479	475	470	460	456	464	459	450	446	447	447	444	446	448	448	451	459	0	6 40	492	19 30	443	49
3			✓	452	454	455	456	457	458	473	474	470	461	453	454	447	448	463	465	458	454	456	453	453	451	453	452	457	1	7 23	484	12 20	434	50
4	✓			449	449	453	456	459	462	471	486	492	484	481	483	489	489	475	466	458	455	450	446	449	449	448	450	465	0	8 45	494	19 30	445	49
5				451	447	450	455	459	460	456	456	450	438	435	446	459	466	468	474	468	460	451	449	450	451	450	449	454	0	15 34	479	10 10	431	48
6	✓			447	451	452	451	453	455	458	458	454	460	473	487	499	499	488	477	467	456	449	449	450	450	449	449	462	0	12 54	503	23 50	448	55
7			✓	448	447	447	449	449	451	446	435	438	441	440	453	456	465	455	459	468	464	457	456	459	449	448	454	451	2	17 07	470	10 01	406	64
8			✓	447	443	460	468	458	460	463	457	455	464	467	485	498	488	480	472	465	461	457	455	453	449	454	460	463	2	12 14	504	1 23	436	68
9				465	463	464	464	463	463	463	460	458	458	459	469	476	479	476	473	466	457	457	457	457	456	456	456	463	1	13 40	483	20 40	453	30
10				454	451	450	449	444	445	446	454	462	458	458	467	470	474	474	473	464	454	454	453	450	453	454	454	457	1	13 34	480	5 20	443	37
11				453	448	444	447	452	456	455	458	461	452	454	460	461	464	469	474	465	459	459	455	454	453	449	444	456	1	15 20	478	2 50	443	35
12	✓	✓		448	448	449	451	454	461	474	471	468	458	446	447	458	466	464	463	456	449	447	449	449	450	450	449	455	0	6 40	477	10 57	440	37
13				449	450	453	455	458	467	473	468	463	455	449	446	453	458	454	450	449	445	449	449	447	447	448	446	453	1	6 00	475	11 52	439	36
14				449	452	454	458	460	462	466	459	449	448	450	458	468	460	451	445	443	443	445	449	449	450	450	451	453	1	12 37	472	16 00	440	32
15	✓			449	450	451	452	455	461	469	464	459	449	442	450	459	466	466	470	464	453	447	448	448	449	449	449	455	0	15 30	471	10 40	439	32
16	✓	✓		452	451	453	455	457	460	454	444	438	439	444	453	463	475	475	468	459	449	445	445	446	447	449	450	453	0	14 02	479	9 00	435	44
17	✓	✓		449	449	449	450	451	455	460	461	464	459	460	(469)	476	479	469	458	445	436	441	444	446	446	448	449	455	0	13 00	480	17 35	436	44
18			✓	448	448	449	450	451	452	458	450	445	442	448	446	435	446	468	465	455	442	441	455	453	450	450	455	450	2	14 29	473	12 37	429	44
19				453	454	455	453	449	446	451	458	461	461	468	464	468	462	454	449	445	441	449	452	451	450	449	448	454	2	11 29	482	5 55	438	44
20	✓			446	448	450	449	448	445	439	425	414	419	434	449	458	463	465	459	455	455	453	454	451	451	450	449	447	0	14 05	468	8 25	410	58
21	✓	✓		447	447	448	449	452	456	463	463	457	456	461	468	476	473	466	454	446	444	443	446	448	449	449	447	454	0	12 28	478	18 10	442	36
22				446	446	447	447	449	450	442	442	447	443	451	467	480	482	478	468	454	446	438	440	443	448	448	446	452	1	13 52	486	7 30	438	48
23				447	448	448	450	453	452	453	458	462	464	458	467	468	474	474	463	452	444	441	441	443	445	447	448	454	1	13 57	483	18 04	439	44
24				444	446	447	449	451	448	443	443	448	452	452	463	469	472	466	467	462	448	441	443	443	446	445	446	451	2	11 28	480	7 11	438	42
25			✓	447	445	447	445	449	451	456	456	459	445	451	457	463	459	466	458	449	443	444	444	448	448	446	447	451	2	13 00	471	9 52	438	33
26				446	443	446	448	453	455	459	463	459	457	465	475	488	489	487	475	462	446	443	446	447	445	444	445	458	1	12 42	494	18 15	439	55
27				443	443	446	446	448	449	449	450	453	462	461	456	456	457	458	452	441	437	443	447	448	449	448	446	450	1	8 55	467	17 20	436	31
28	✓	✓		443	447	446	450	452	451	449	451	453	452	458	466	474	477	477	464	450	441	439	445	446	447	447	449	453	1	13 50	480	18 10	437	43
29	✓			447	446	445	446	447	444	438	434	435	438	440	446	454	459	454	448	448	446	443	445	446	447	443	443	445	1	13 20	462	7 55	432	30
30				444	442	442	443	449	451	454	452	453	446	452	454	452	452	446	440	439	440	444	448	448	446	443	442	447	0	6 43	456	17 28	438	18
31																																		
MEANS ALL DAYS				449	449	450	452	454	456	458	457	456	452	453	459	465	468	466	462	455	449	447	448	449	449	449	449	454						43
MEANS TEN DAYS ✲				448	449	450	451	453	455	458	456	453	451	454	462	471	475	470	463	455	448	446	447	448	448	448	448	454						42
MEANS FIVE DAYS (G. M. T.) †				448	448	449	451	453	457	460	458	456	453	454	461	469	474	470	461	451	444	449 443	450 446	449	450	449	448	454						
MEANS FIVE DAYS (G. M. T.) ‡				448	447	452	454	453	454	459	454	453	451	452	459	460	461	466	464	459	453	451	447	449	448	448	450	454						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 259

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1928

OCTOBER 1928

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			440	440	440	441	443	444	438	438	440	443	455	455	456	458	456	443	445	444	443	446	445	444	443	443	445	1	13	466	8 00	437	29
2			✓	441	439	442	440	448	449	442	443	440	440	457	480	466	457	462	450	444	448	452	453	450	448	448	448	449	1	11 30	483	9 30	433	50
3				446	443	443	446	447	446	443	446	446	447	449	448	453	461	457	448	443	443	443	449	450	448	448	446	447	0	13 55	463	18 09	441	22
4	✓			443	444	446	446	448	450	457	467	475	477	483	493	486	472	461	445	438	434	438	448	450	446	441	443	455	0	11 30	498	18 04	433	65
5				440	443	441	441	447	446	441	443	466	478	488	498	497	490	475	464	449	437	442	448	450	448	446	444	457	0	11 06	503	17 57	435	68
6				444	442	438	443	446	443	438	439	446	453	473	488	489	474	468	463	454	445	443	447	450	448	445	443	453	0	12 20	494	2 18	435	59
7				446	443	442	440	440	436	431	442	454	463	470	479	478	478	461	451	448	443	445	450	448	446	445	445	451	0	11 39	483	6 30	428	55
8	✓			443	444	442	445	446	441	434	434	433	438	447	464	475	481	472	457	443	445	448	450	451	448	445	443	449	0	13 15	483	8 52	432	51
9	✓	✓		442	443	444	444	447	453	458	463	460	456	459	463	465	462	457	452	443	438	442	445	446	445	444	443	451	0	12 55	467	17 30	436	31
10	✓	✓		443	441	442	441	445	448	447	449	450	443	444	464	469	470	462	444	434	435	438	444	446	446	446	447	447	1	11 50	473	16 50	431	42
11	✓	✓		443	441	441	441	443	445	446	449	451	453	466	476	473	476	469	455	446	438	434	440	446	446	447	446	450	0	11 40	478	18 20	433	45
12	✓			438	440	440	442	444	443	437	441	447	450	460	473	478	485	478	466	453	444	441	446	447	445	444	444	451	0	13 20	487	6 50	435	52
13				444	445	445	448	452	454	449	446	454	449	452	456	468	466	465	452	441	437	439	447	445	448	452	452	450	1	12 15	472	17 21	435	37
14				452	447	446	446	445	441	435	442	450	463	480	490	490	496	488	467	456	450	444	449	451	448	447	445	457	0	13 23	497	6 15	433	64
15	✓			442	441	443	442	443	446	439	438	436	437	447	462	462	463	448	435	429	433	437	444	449	448	448	448	444	0	13 10	467	16 40	428	39
16				444	437	439	438	436	438	448	456	477	490	(495	493)	488	476	459	440	427	428	438	443	443	444	446	443	453	1	[10 01	505]	16 50	423	[82]
17				443	443	443	443	444	439	433	443	454	465	480	493	493	497	482	465	444	437	439	446	448	445	442	441	454	0	12 05	499	6 10	432	67
18				438	438	433	404	448	444	407	419	443	452	469	506	487	479	487	469	450	453	454	461	458	461	457	456	453	2	11 10	522	3 34	376	146
19			✓	453	450	452	455	454	450	440	448	(455)	463	474	490	483	483	476	459	450	446	443	450	450	451	447	444	457	2	11 25	495	6 30	437	58
20				445	444	440	445	447	446	443	447	453	459	473	482	480	474	467	455	437	437	437	452	450	449	449	447	452	0	11 40	486	16 30	433	53
21				443	444	443	442	447	448	445	448	450	457	470	479	474	475	469	457	449	439	439	443	443	445	446	444	452	1	11 40	486	20 05	435	51
22			✓	448	446	442	437	446	443	442	452	459	471	469	478	467	465	463	450	435	433	441	450	450	449	448	443	451	1	11 40	482	17 40	430	52
23		✓		443	439	442	443	448	456	456	456	451	448	455	462	463	463	458	442	430	434	443	447	447	445	444	443	448	0	11 55	468	16 55	428	40
24			✓	445	446	443	438	447	458	453	457	466	480	483	482	477	469	471	467	446	451	450	452	457	450	460	459	459	2	14 10	494	3 46	429	65
25			✓	466	459	456	457	455	448	428	426	426	438	458	477	479	474	469	458	452	456	458	460	459	458	450	446	455	2	11 59	539	7 35	419	120
26				443	443	442	438	443	445	447	455	455	448	451	461	462	463	453	438	437	442	447	449	448	447	444	439	448	2	11 40	477	15 34	427	50
27				437	423	414	424	427	424	422	440	455	470	487	490	485	477	473	459	446	446	450	443	443	451	447	440	449	1	11 12	501	2 13	403	98
28	✓	✓		437	433	437	438	440	438	437	446	455	464	465	468	463	462	467	459	450	446	448	454	454	449	445	441	450	0	11 05	470	1 32	428	42
29				436	429	432	434	440	442	438	448	457	467	463	453	453	448	448	448	445	440	443	445	448	448	447	444	446	0	9 36	473	1 10	428	45
30				441	437	436	433	429	434	434	444	452	464	470	479	475	476	473	461	446	442	446	451	451	449	444	443	450	0	11 50	484	4 35	427	57
31	✓			439	436	434	433	437	434	430	440	451	463	474	478	478	475	464	447	433	437	448	453	452	448	444	443	449	0	11 50	482	5 55	427	55
MEANS ALL DAYS				443	441	441	440	444	444	440	445	452	458	467	476	475	472	466	454	443	441	444	449	449	448	447	445	451						58
MEANS TEN DAYS ✻				441	440	441	441	444	444	442	446	450	452	460	470	470	470	463	450	441	439	442	447	449	446	445	444	449						48
MEANS FIVE DAYS † (G. M. T.)				442	439	441	441	445	448	449	453	453	453	458	467	467	467	463	450	441	438	444 446 / 441 446		447	448	446	443	449						
MEANS FIVE DAYS ‡ (G. M. T.)				451	448	447	445	450	450	441	445	449	458	468	481	474	470	468	457	445	447	449	450	450	449	450	449	454						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 260

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1928

NOVEMBER 1928

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				438	438	436	437	438	436	422	420	431	442	442	443	449	454	455	442	436	437	439	446	446	446	443	436	440	0	14	10462	6	55416	46
2			✓	430	435	432	436	441	434	421	427	436	448	463	483	492	478	476	455	444	445	452	454	456	452	446	442	449	1	11	57501	7	01417	84
3			✓	438	436	441	438	439	433	426	421	428	437	457	468	477	481	473	446	442	454	456	457	452	452	446	446	448	1	12	56484	7	10417	67
4				441	442	442	442	442	443	440	446	450	463	476	474	476	486	474	448	435	437	441	446	446	447	447	444	451	1	13	12492	16	50432	60
5	✓			441	438	439	442	442	437	431	436	449	457	469	472	471	470	465	457	445	438	441	446	446	447	443	439	448	0	11	50475	6	40428	47
6	✓			438	437	437	435	434	433	432	438	449	463	476	477	480	481	471	452	436	439	442	450	450	446	443	445	449	0	12	50485	6	20431	54
7				442	436	435	435	436	427	420	423	433	452	467	465	465	457	453	444	436	433	437	444	445	447	447	444	443	0	10	39473	6	21418	55
8	✓	✓		440	438	437	437	434	425	421	432	447	456	455	454	452	441	436	433	431	426	433	441	444	446	446	442	439	0	9	50458	6	10418	40
9	✓	✓		439	437	436	436	434	422	409	418	437	452	458	472	469	465	458	447	433	429	436	444	447	444	438	435	441	0	11	17476	6	30407	69
10				432	427	422	425	424	416	408	409	420	429	432	457	468	471	466	458	446	446	446	447	447	446	443	441	439	2	13	08482	6	35405	77
11				437	438	441	442	442	439	437	443	447	457	464	472	477	466	456	435	427	435	439	455	453	452	447	438	447	2	12	03495	16	18418	77
12				431	428	427	427	433	434	438	456	469	475	472	479	467	457	447	432	419	422	434	445	446	447	442	439	444	0	11	29487	16	13416	71
13			✓	439	436	431	436	440	436	435	437	456	468	472	478	488	488	465	439	425	428	440	449	448	449	453	452	450	1	13	27502	16	44424	78
14				451	448	446	447	443	441	426	432	447	465	482	489	490	482	475	456	441	438	433	439	442	449	449	452	453	0	12	42494	6	40425	69
15			✓	447	438	439	442	443	428	406	411	433	456	457	(466)	466	461	456	457	461	452	459	455	457	455	452	443	448	1	10	04476	6	40405	71
16				446	448	439	442	445	428	416	422	442	452	463	469	456	459	456	447	443	438	433	441	445	445	447	443	444	1	11	30477	7	24413	64
17			✓	441	438	438	433	428	431	417	421	436	444	456	457	454	446	447	443	438	436	435	447	448	449	449	444	441	2	10	05472	6	53415	57
18				441	434	430	433	441	434	420	422	432	438	443	462	467	467	462	451	445	438	438	446	445	443	444	443	442	0	12	00472	6	36418	54
19				442	441	438	438	439	435	429	432	447	457	465	465	460	451	445	439	436	434	437	442	444	444	445	444	444	0	11	31471	6	20427	44
20	✓			442	441	437	435	435	436	432	437	446	459	463	466	461	452	441	430	425	428	435	440	439	440	441	442	442	0	11	24468	16	20423	45
21	✓			440	440	440	438	437	427	418	423	438	453	456	456	454	443	428	422	427	436	438	441	442	442	441	437	438	0	11	40458	6	33417	41
22	✓	✓		435	435	435	435	434	432	433	438	443	446	452	456	456	452	442	433	432	437	442	446	445	444	442	437	441	0	11	33458	15	41428	30
23	✓			433	429	427	432	436	433	427	435	447	460	461	461	444	434	431	428	432	436	440	440	440	440	439	437	438	1	11	13466	6	10425	41
24				434	429	427	423	427	419	415	424	429	446	460	465	465	462	454	447	444	447	447	455	452	448	443	437	442	1	11	50469	6	25411	58
25				432	428	426	431	433	425	416	427	438	452	461	466	459	449	437	426	430	434	442	444	444	442	436	436	438	1	11	36469	6	20412	57
26				433	431	429	427	428	417	410	430	450	458	461	457	446	436	432	432	436	440	445	447	445	443	441	436	438	0	11	08471	6	10404	67
27				432	429	429	430	431	424	421	441	465	482	484	483	473	456	440	437	437	443	442	444	443	442	439	437	445	0	9	57488	6	10416	72
28	✓	✓		433	431	432	431	432	423	419	436	459	473	488	495	491	476	459	450	442	437	437	439	440	439	438	436	447	0	12	00497	6	05417	80
29	✓	✓		433	429	427	427	428	424	427	443	462	476	477	478	471	447	432	426	425	428	436	441	442	442	440	437	442	0	11	30480	6	00422	58
30				432	432	432	430	(431	426	426	430)	442	452	459	452	439	427	426	431	435	433	442	445	442	442	441	438	437	1	10	55467	14	12422	45
31																																		
MEANS ALL DAYS				438	436	434	435	436	430	423	430	444	456	463	468	466	460	452	441	436	437	441	446	446	446	444	441	444						59
MEANS TEN DAYS ✻				437	436	435	435	435	429	425	434	448	460	466	469	465	456	446	438	433	433	438	443	444	443	441	439	443						50
MEANS FIVE DAYS † (G. M. T.)				436	434	433	433	432	425	422	433	450	461	466	471	468	456	445	438	433	431	437 442 437 442		443	443	442	439	442						
MEANS FIVE DAYS ‡ (G. M. T.)				439	437	436	437	438	432	421	423	438	451	461	470	475	471	463	448	442	443	448	445	447	448	445	442	446						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 261

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1928 — DECEMBER 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	429	422	420	411	413	421	423	441	462	474	477	481	476	469	456	440	430	426	434	444	443	444	440	434	442	0	11 30	484	3 30	404	80
2	✓			431	432	433	433	435	430	420	426	435	438	446	451	445	446	431	416	415	423	435	440	441	440	444	439	434	0	11 32	456	16 20	411	45
3	✓			440	437	437	437	434	431	420	424	434	441	448	454	461	464	446	431	424	426	432	440	443	443	442	440	439	0	13 20	468	6 40	419	49
4		✓		436	436	438	436	436	436	429	437	448	460	462	473	475	468	450	436	427	426	427	434	(436)	440	441	440	443	0	11 26	478	17 10	425	53
5			✓	437	436	433	430	431	430	424	432	440	445	445	454	447	437	446	448	441	446	456	443	447	446	433	436	440	1	11 24	462	6 20	420	42
6			✓	426	428	426	424	430	431	421	426	437	455	461	466	468	473	451	432	429	437	442	442	443	446	442	441	441	1	13 15	481	3 00	416	65
7				436	434	434	433	431	426	421	433	455	470	479	495	496	491	482	471	446	430	430	437	440	438	437	436	449	1	11 59	505	6 30	418	87
8				431	431	430	428	431	425	413	417	431	440	452	471	475	461	447	446	435	430	427	433	436	437	436	435	437	0	11 46	478	6 40	411	67
9	✓			431	430	430	428	430	429	416	426	441	460	466	483	477	470	462	451	440	426	427	436	437	438	439	437	442	0	11 25	487	6 40	415	72
10				435	431	427	427	430	425	414	422	444	457	460	476	475	461	446	438	426	424	429	437	441	443	442	440	440	0	11 50	482	6 30	413	69
11				434	430	426	426	427	420	410	420	432	445	458	465	472	463	447	435	425	425	428	437	445	444	446	445	438	1	12 13	490	6 30	408	82
12			✓	424	421	420	421	427	415	403	404	426	442	457	480	462	445	435	432	426	427	425	441	450	448	453	447	435	1	11 11	488	7 40	396	92
13			✓	439	436	432	431	434	423	416	430	451	465	479	495	499	471	451	442	435	426	431	441	445	445	444	440	446	1	12 28	507	6 20	415	92
14				436	431	429	430	436	432	416	431	447	450	462	466	461	450	446	442	435	428	430	441	441	442	440	436	440	0	11 05	470	6 31	411	59
15	✓			430	428	426	430	433	431	423	427	442	446	456	(471)	465	442	437	427	425	427	430	436	440	440	436	435	437	0	[12 04	480]	6 51	421	[59]
16	✓			431	432	432	433	433	433	429	444	456	462	472	473	458	446	441	436	435	435	431	436	437	436	436	435	441	0	11 23	478	6 20	426	52
17	✓	✓		433	431	427	427	429	426	418	424	434	442	455	465	454	441	430	426	425	425	430	434	435	438	439	438	434	0	11 37	468	6 45	416	52
18				436	433	434	435	435	436	425	431	435	446	456	467	474	468	466	456	442	435	432	433	434	434	434	433	442	0	12 22	478	6 40	423	55
19	✓	✓		432	433	434	431	433	432	426	435	451	465	478	481	466	449	438	434	427	422	427	436	436	435	436	435	440	0	11 19	485	17 20	421	64
20	✓	✓		433	432	432	433	431	429	427	438	448	455	467	479	478	465	452	445	440	436	435	438	436	435	435	432	443	0	12 26	483	6 17	426	57
21				428	424	422	424	424	420	411	421	433	444	451	455	441	415	404	411	420	426	432	Δ						1	[11 36	463]	14 50	399	64
22		✓							Δ	(421)	426	434	446	471	473	468	453	441	428	422	423	425	433	436	436	435	433		1	11 00	477	6 35	420	57
23				431	430	425	424	424	421	419	434	453	466	□					□	428	422	425	431	433	434	434	433		0			6 10	415	
24				430	425	420	418	419	411	400	422	437	446	464	476	456	440	429	431	442	450	447	446	447	443	443	437	437	1	11 28	481	6 15	397	84
25				431	425	424	424	425	418	409	423	442	456	470	474	466	451	434	425	424	428	432	441	441	439	436	429	436	1	11 00	481	6 16	403	78
26				426	425	426	429	428	418	407	423	437	449	461	470	474	474	466	452	441	436	435	440	440	436	433	431	440	1	12 12	482	6 18	404	78
27				430	429	426	426	423	416	408	422	443	463	481	485	470	451	435	428	435	437	433	436	436	436	434	432	438	0	11 04	491	6 10	404	87
28	✓			430	426	426	423	421	414	408	426	447	457	461	461	441	432	428	416	410	412	423	435	437	435	435	434	431	0	11 01	468	6 20	404	64
29				432	429	425	422	425	420	414	433	456	476	490	502	491	470	455	428	427	431	428	434	436	432	436	436	443	1	11 54	512	6 15	410	102
30				433	428	431	430	431	431	417	426	446	456	467	477	483	482	461	451	450	442	428	431	436	434	434	432	443	1	12 50	491	6 30	415	76
31	✓			434	431	431	432	434	433	425	431	446	456	472	471	460	459	453	437	426	425	425	432	434	433	433	433	439	0	10 59	477	7 10	423	54
MEANS ALL DAYS a)				432	430	429	428	429	426	417	428	443	454	464	474	469	459	447	438	432	430	432	438	440	439	439	436	440						a) 68
MEANS TEN DAYS ✲				432	431	431	431	431	429	421	430	443	452	462	469	460	451	442	432	427	426	430	436	438	437	438	436	438						60
MEANS FOUR DAYS b) † (G. M. T.)				434	433	433	432	432	431	425	434	445	456	466	474	468	456	442	435	430	427	430 430	436 436	438	437	437	436	440						
MEANS FIVE DAYS ‡ (G. M. T.)				431	429	426	423	427	424	417	427	443	456	464	475	470	459	448	439	432	432	438	440	444	444	443	441	441						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-eight days only, omitting incomplete days December 21, 22 and 23

b) Omitting incomplete day December 22

TABLE 262

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	636	636	644	646	639	629	653	623	681	752	806	816	793	753	715	656	606	595	604	622	619	616	612	614	665	1	10	848	17 06	588	260
2	✓			616	622	623	623	625	624	628	639	676	723	768	777	786	766	723	674	648	639	635	633	632	624	625	625	665	0	12 43	791	0 10	614	177
3				625	627	628	631	632	632	634	655	691	739	761	773	766	733	695	675	669	655	641	645	644	642	642	643	670	0	11 40	777	0 06	624	153
4				645	649	652	646	638	638	642	643	680	675	709	717	702	700	676	652	638	631	627	629	632	633	631	628	655	1	11 40	739	18 53	622	117
5				628	625	632	631	633	645	666	694	740	766	789	806	807	732	672	644	637	635	635	634	634	634	633	632	674	0	12 27	820	1 33	622	198
6				627	629	626	634	634	639	642	655	697	753	772	790	773	716	655	614	607	620	630	629	627	630	626	623	660	0	11 59	799	16 20	600	199
7				623	623	624	626	631	640	659	689	731	773	778	765	726	668	637	633	643	645	636	638	642	642	632	622	664	0	10 00	791	0 03	622	169
8	✓			626	623	625	624	628	636	655	683	725	763	762	767	734	673	645	625	617	626	632	634	629	635	632	634	660	1	11 14	776	16 48	616	160
9				636	636	634	637	638	643	658	674	723	765	794	780	759	723	683	648	623	617	623	634	636	637	636	635	670	0	11 00	798	17 58	615	183
10	✓			635	635	633	630	631	643	661	692	745	791	816	812	799	729	673	630	601	618	630	633	632	630	629	629	673	0	10 42	821	16 43	599	222
11	✓	✓		632	635	634	634	634	634	640	659	709	756	789	792	754	701	658	624	622	626	637	640	638	639	640	638	665	0	11 00	799	15 36	616	183
12	✓	✓		635	636	636	638	639	644	643	648	682	722	754	761	737	713	(682	652)	636	639	640	640	637	636	635	636	663	0	11 39	763	1 08	634	129
13	✓	✓		636	637	638	641	643	646	646	661	(699)	741	769	771	748	711	680	668	666	659	(645)	639	638	634	632	631	670	0	11 32	776	23 40	630	146
14	✓	✓		631	632	632	635	641	646	654	662	688	709	728	731	715	691	680	673	666	655	646	643	641	640	640	640	663	1	10 26	733	0 01	630	103
15	✓			641	643	644	643	643	646	651	669	706	752	793	787	778	735	714	694	675	674	668	663	655	645	638	636	683	1	12 36	805	22 27	632	173
16	✓			634	639	639	640	645	649	660	682	704	717	736	759	747	726	705	698	687	669	652	648	645	643	642	641	675	1	11 45	769	0 55	633	136
17				642	642	643	643	645	650	661	675	702	727	737	(728)	700	685	684	671	665	657	642	642	638	639	637	633	666	1	[10 53	742]	23 51	631	[111]
18				630	631	633	636	638	639	651	663	694	684	709	705	696	669	678	684	685	670	650	641	633	625	628	630	658	1	10 03	736	21 21	624	112
19				630	627	633	637	640	642	655	676	718	757	753	736	722	692	680	665	662	652	641	627	629	632	631	632	665	1	9 34	774	1 06	624	150
20				631	632	638	641	647	657	672	675	682	707	705	672	653	663	684	699	692	674	657	644	639	636	631	631	661	1	10 27	749	1 01	628	121
21				635	634	636	639	636	638	661	697	741	767	772	720	670	625	591	603	638	654	649	640	633	633	632	633	657	1	10 14	797	14 50	583	214
22				628	631	636	636	636	641	665	705	748	771	767	736	658	610	604	638	664	663	647	641	641	639	637	634	662	1	10 16	781	13 55	584	197
23			✓	632	625	640	635	632	633	658	713	766	790	784	734	683	601	563	573	624	651	651	(649	645	641)	639	640	658	1	10 16	809	14 47	538	271
24				640	640	641	644	646	651	671	712	747	800	802	(799)	748	676	656	657	670	662	656	652	652	(650)	645	643	682	0	10 01	831	1 20	639	192
25				645	645	645	648	649	654	675	729	780	813	828	797	753	693	614	598	608	639	651	652	648	650	648	649	680	1	10 27	848	15 10	591	257
26				651	649	651	652	652	660	683	733	797	854	864	842	782	715	670	660	643	646	644	643	644	657	643	633	694	0	10 57	873	23 41	628	245
27			✓	615	615	619	621	624	624	629	628	620	675	734	773	799	699	650	615	578	597	612	618	616	614	613	612	642	1	12 25	882	16 07	554	328
28			✓	613	617	616	616	616	623	622	653	681	782	822	811	788	698	658	637	637	631	629	636	635	631	631	631	663	1	10 33	856	0 32	611	245
29			✓	630	629	630	633	634	629	631	668	736	810	840	856	822	772	701	626	604	604	610	610	605	601	610	602	671	1	11 14	880	21 50	598	282
30				599	598	598	600	604	608	608	619	662	728	760	(766)	788	727	692	667	650	635	622	617	615	615	617	615	650	1	12 26	825	1 54	597	228
31	✓	✓		615	614	615	615	619	624	630	643	680	721	751	757	759	742	732	698	668	646	630	624	621	618	614	610	660	0	11 59	781	0 40	613	168
MEANS ALL DAYS				630	631	633	634	635	639	650	672	711	751	773	769	747	701	669	650	643	641	638	637	635	634	632	630	666						188
MEANS TEN DAYS ✲				630	632	632	632	635	639	647	664	701	740	767	771	756	719	689	664	649	645	642	640	637	634	633	632	668						160
MEANS FIVE DAYS † (G. M. T.)				630	631	631	633	635	639	643	655	692	730	758	762	743	712	686	663	652	645	635 640	634 637	632	631	631	630	664						
MEANS FIVE DAYS ‡ (G. M. T.)				625	624	630	630	629	628	639	657	697	762	797	798	777	705	657	621	610	616	621	631	630	630	627	625	661						

JANUARY 1928

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 263

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1928

FEBRUARY 1928

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			624	628	630	627	629	629	632	649	689	733	785	(787)	777	744	726	686	662	646	632	623	625	623	620	617	668	1	10	27 807	23	59 615	192
2				610	613	614	618	622	627	638	658	692	723	750	752	702	671	643	617	634	627	611	(609)	604	600	600	615	644	1	11	01 777	22	46 596	181
3				609	609	607	608	610	624	642	662	668	692	721	690	668	691	704	702	684	653	630	618	618	618	619	618	649	1	10	54 742	3	06 605	137
4				616	613	612	625	625	625	636	655	666	694	727	727	713	664	666	663	661	650	637	631	627	625	622	618	650	1	12	05 755	2	01 610	145
5	✓			612	612	617	618	621	633	655	676	696	725	709	684	634	589	587	613	635	645	638	631	630	629	629	627	639	1	9	53 735	14	04 574	161
6				627	624	623	624	628	632	648	678	716	741	744	748	732	671	637	628	634	637	636	634	638	636	633	631	658	1	10	38 755	13	59 599	156
7				627	632	633	638	639	633	642	668	710	754	782	775	722	657	638	615	642	647	639	635	635	631	628	627	660	1	11	22 802	15	18 605	197
8	✓	✓		628	629	634	629	627	631	636	661	706	751	773	764	720	651	626	619	618	633	633	635	634	631	628	627	655	0	10	46 782	16	09 613	169
9	✓	✓		623	620	623	626	628	631	638	657	694	728	765	768	750	711	665	640	640	645	640	637	637	637	636	633	661	0	10	54 776	1	18 618	158
10	✓	✓		628	628	632	638	642	645	643	667	703	732	761	774	757	722	685	659	650	645	637	631	625	623	620	620	665	0	11	22 782	22	38 618	164
11	✓	✓		624	625	624	627	628	630	634	652	695	752	794	799	786	740	705	691	668	652	636	627	625	623	624	626	670	0	10	55 809	0	01 621	188
12				628	628	648	653	658	657	653	648	662	701	774	788	781	750	708	683	650	634	632	624	624	618	614	628	668	1	11	52 813	17	25 610	203
13			✓	625	625	631	631	640	653	655	660	648	698	715	756	727	710	666	641	628	624	617	611	598	590	598	607	648	1	11	51 773	21	51 586	187
14				613	615	614	623	619	620	616	631	642	697	733	723	740	693	683	683	660	636	620	617	617	620	620	621	648	1	12	04 757	0	06 609	148
15				619	617	623	624	623	621	628	637	673	692	736	757	738	702	686	646	641	634	618	615	615	614	611	612	649	1	11	18 764	22	42 606	158
16				617	619	619	622	625	621	624	634	668	709	735	(752)	741	728	704	681	657	627	612	611	611	618	621	619	653	0	[11	17 753]	18	43 608	[145]
17	✓			619	621	621	620	619	620	630	648	683	725	739	732	711	703	692	685	669	652	640	634	629	626	627	627	657	0	11	56 749	5	19 617	132
18			✓	635	622	624	632	630	633	622	612	625	669	714	782	774	714	702	679	643	630	621	618	614	610	604	600	650	1	11	36 827	7	50 585	242
19			✓	599	608	606	616	617	621	630	662	699	737	765	755	722	704	665	663	656	649	634	634	634	633	632	631	657	1	10	35 785	0	33 590	195
20				632	631	628	622	624	628	634	656	713	760	777	766	750	707	647	637	624	602	606	595	608	617	619	621	654	0	10	42 788	19	41 586	202
21			✓	620	620	626	630	639	644	627	634	615	669	705	(713)	734	676	659	641	623	632	621	618	620	616	621	622	643	1	12	54 800	8	08 570	230
22				617	616	616	618	621	626	633	656	702	718	749	755	741	713	679	655	650	633	619	612	614	620	622	622	654	0	10	34 761	20	08 610	151
23	✓			622	620	622	626	630	624	617	641	706	771	791	800	770	707	662	634	635	641	636	632	631	633	632	627	663	1	11	16 821	5	55 610	211
24	✓	✓		624	623	622	623	625	625	619	632	692	767	825	854	822	780	723	680	664	658	651	648	641	641	634	629	679	0	11	33 869	6	56 616	253
25				619	619	617	622	625	624	625	623	677	713	779	790	800	765	679	659	641	626	621	615	621	621	620	624	659	1	10	53 840	7	15 607	233
26			✓	623	621	621	618	623	627	602	581	622	697	746	764	783	742	696	681	660	633	630	634	632	633	633	626	655	1	12	32 797	7	16 571	226
27				622	622	623	628	631	630	623	638	698	756	800	838	800	780	734	695	651	622	617	610	612	615	615	616	670	0	11	24 856	19	35 607	249
28				615	621	625	622	625	625	612	599	630	653	696	702	736	718	703	694	673	654	640	632	627	627	630	625	649	1	12	43 755	7	29 590	165
29	✓			620	622	623	624	627	625	620	617	652	699	735	751	741	727	710	691	672	653	641	636	633	632	632	628	659	0	11	39 760	6	58 612	148
30																																		
31																																		
MEANS ALL DAYS				621	621	623	625	628	630	632	645	677	719	753	760	744	708	679	661	649	639	629	624	623	623	622	622	656						184
MEANS TEN DAYS *				622	623	625	626	628	629	632	650	692	738	768	771	747	707	678	660	651	647	638	633	631	630	628	626	662						178
MEANS FIVE DAYS † (G. M. T.)				625	625	627	629	630	632	634	654	698	746	784	792	767	721	681	658	648	647	637 639	634 636	632	631	629	627	666						
MEANS FIVE DAYS ‡ (G. M. T.)				620	619	622	625	630	636	627	630	642	694	729	754	748	709	678	661	642	634	625	617	619	618	617	620	651						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 264

HORIZONTAL INTENSITY

MARCH 1928

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			627	628	629	630	631	633	628	632	665	695	719	712	696	694	691	684	669	653	643	640	637	634	633	630	656	1	10	10 726	7	10 623	103
2	✓	✓		628	628	627	627	632	632	631	644	682	717	740	730	704	675	662	662	664	658	644	638	635	634	633	630	657	0	11	18 753	2	50 625	128
3	✓			627	629	629	631	632	633	633	653	699	750	778	779	765	733	692	671	673	660	647	641	640	637	631	627	670	0	11	05 785	0	29 626	159
4	✓	✓		627	627	629	632	633	635	632	648	696	743	777	791	789	750	715	682	662	651	648	646	643	642	638	636	674	0	12	02 795	0	50 626	169
5	✓	✓		635	635	637	640	643	646	650	678	718	770	811	820	799	759	712	677	662	658	656	651	648	647	644	638	685	0	10	48 832	0	48 634	198
6	✓			637	632	631	633	632	633	631	642	683	735	766	777	762	725	676	650	648	651	648	641	638	635	633	631	665	0	11	13 782	2	20 628	154
7				629	630	629	633	636	637	631	647	690	728	783	781	778	725	687	640	629	634	633	632	631	628	626	624	663	0	10	55 796	23	43 622	174
8	✓			626	629	628	626	629	632	618	616	669	736	791	825	817	766	695	654	644	641	637	629	627	628	631	629	668	0	11	44 829	6	59 609	220
9	✓	✓		627	627	630	633	635	635	630	641	690	751	790	821	814	787	731	682	654	646	642	636	632	627	622	622	675	0	11	40 825	22	22 621	204
10				622	623	626	631	634	632	621	626	677	762	816	854	842	800	766	721	677	646	637	639	635	633	633	632	683	0	12	40 864	6	55 613	251
11			✓	635	643	650	647	629	630	596	546	516	632	569	712	799	651	701	614	601	562	535	520	515	520	554	571	606	2	12	17 857	8	34 456	401
12			✓	567	577	588	595	599	599	589	586	614	664	679	750	755	760	731	689	649	609	604	607	608	606	602	606	635	1	12	47 782	0	05 563	219
13			✓	605	608	612	612	612	606	589	564	598	649	685	736	722	785	744	676	641	594	564	548	573	570	559	569	626	1	13	27 808	19	58 538	270
14			✓	579	595	598	593	600	602	586	572	611	680	717	761	779	743	729	696	662	630	611	611	617	601	599	600	640	1	12	27 800	7	56 552	248
15				602	602	605	605	609	611	608	629	679	729	779	(801)	800	787	754	711	668	631	618	613	612	610	606	606	661	0	[11	56 812]	1	08 600	[212]
16				608	609	613	620	627	629	626	642	679	726	728	736	732	730	723	701	666	654	632	627	623	624	622	624	658	1	11	07 791	0	50 606	185
17				614	615	622	621	610	612	614	632	667	718	729	730	712	690	680	676	661	641	617	617	619	617	614	608	647	1	10	58 743	23	26 607	136
18				613	614	616	613	612	614	614	634	681	740	761	769	732	697	676	671	670	661	632	616	618	617	617	612	654	0	10	54 784	0	01 608	176
19				608	616	615	625	626	625	627	664	710	763	776	771	751	731	701	681	680	664	644	638	629	621	620	615	667	0	10	10 783	0	36 606	177
20				615	616	616	616	619	621	632	672	727	774	812	801	762	729	686	671	670	651	634	630	627	630	616	613	668	0	11	04 821	23	38 612	209
21				611	610	612	613	619	618	627	665	725	768	790	779	719	672	639	632	641	637	620	614	615	620	620	614	653	0	10	59 797	1	16 608	189
22				615	616	623	623	621	623	623	652	701	765	809	808	759	723	663	644	636	622	593	587	583	582	578	579	651	1	10	42 845	22	18 577	268
23			✓	588	597	596	600	608	608	605	647	700	761	785	784	777	715	679	662	654	639	635	628	628	625	621	623	657	1	12	16 826	0	01 582	244
24				621	617	620	622	622	623	631	665	746	798	834	826	790	739	689	664	648	647	638	630	629	618	614	610	673	1	10	46 848	23	30 606	242
25				618	626	629	625	627	624	626	657	731	796	793	813	780	743	695	663	653	647	638	629	624	624	634	628	672	0	11	42 832	6	10 616	216
26				627	622	621	625	624	624	618	622	666	741	779	803	794	745	710	663	648	644	637	633	626	628	627	625	665	0	11	54 821	7	15 601	220
27	✓			624	624	625	625	630	630	627	643	691	741	777	785	773	729	691	663	646	646	639	635	636	635	629	625	665	0	12	06 797	23	59 622	175
28				622	625	627	629	634	637	630	644	667	722	758	762	773	737	690	686	668	656	643	634	633	631	632	629	665	0	12	25 783	0	30 621	162
29				630	628	632	637	637	634	631	658	710	761	785	787	760	729	691	671	662	660	647	640	638	636	635	633	672	0	11	10 791	1	10 626	165
30				633	630	631	633	633	634	635	660	697	739	749	745	723	709	650	668	653	653	647	641	638	635	632	630	662	1	9	32 757	1	50 628	129
31	✓	✓		630	632	633	635	635	633	644	675	712	747	766	768	742	724	705	688	675	658	644	640	639	634	628	628	671	0	10	39 772	22	40 625	147
MEANS ALL DAYS				618	620	622	624	625	625	622	637	681	736	762	778	765	732	699	671	656	642	629	624	622	620	619	618	660						198
MEANS TEN DAYS ✲				629	629	630	631	633	634	632	647	690	738	772	781	766	734	697	671	660	652	645	640	638	635	632	630	669						166
MEANS FIVE DAYS † (G. M. T.)				629	630	631	633	636	636	637	657	700	746	777	786	770	739	705	678	663	654	644 647	639 642	637	635	633	630	672						
MEANS FIVE DAYS ‡ (G. M. T.)				595	604	609	609	610	609	593	583	608	677	687	749	766	731	717	667	641	607	590	580	583	582	585	591	632						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 265

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1928 — APRIL 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	628	636	641	647	656	649	661	689	692	714	746	717	710	711	644	649	647	630	608	615	620	622	618	620	657	1	10 36	802	18 46	601	201
2				636	630	630	631	633	630	641	670	693	717	728	719	700	688	673	671	666	643	609	590	593	603	610	610	651	1	10 26	740	19 50	587	153
3				615	615	619	626	625	622	636	675	742	769	765	760	728	682	649	667	657	625	604	606	609	604	612	612	655	1	10 02	787	21 26	598	189
4				620	625	628	620	617	620	622	656	714	773	828	792	738	689	640	631	622	620	604	603	603	616	612	610	654	1	10 27	841	19 00	600	241
5				613	613	618	615	620	621	634	675	723	794	828	822	778	729	681	652	639	630	628	616	612	609	609	605	665	0	10 23	845	23 40	604	241
6				610	611	614	616	620	623	625	662	720	774	791	782	754	715	693	633	613	607	603	578	590	597	594	584	650	1	10 17	798	19 16	575	223
7			✓	611	614	613	616	615	616	629	667	725	785	788	809	737	706	679	671	629	599	616	589	577	590	597	598	653	1	11 42	852	20 55	559	293
8				603	607	613	620	617	608	603	640	697	734	775	776	733	716	683	651	641	632	621	617	614	616	614	613	652	1	11 22	803	6 31	597	206
9				614	616	620	622	624	621	618	647	693	732	790	805	765	740	696	672	641	627	613	603	614	613	610	610	659	0	11 10	821	19 18	594	227
10			✓	626	626	611	618	629	624	610	645	697	752	788	782	742	695	659	649	636	628	623	614	610	607	608	609	654	1	11 22	815	6 50	597	218
11	✓			611	613	615	618	619	617	619	657	714	756	789	790	750	710	676	661	653	644	629	625	621	618	615	622	660	0	11 20	810	0 01	609	201
12	✓	✓		622	623	626	629	629	628	629	656	702	751	793	801	781	756	732	702	675	651	637	633	631	627	623	624	673	0	11 03	803	0 17	621	182
13	✓	✓		625	627	629	631	633	632	632	654	688	722	744	751	745	729	706	684	666	651	639	632	629	626	627	626	664	0	11 30	754	0 30	624	130
14	✓			631	636	639	642	645	648	663	696	744	790	806	815	798	767	728	695	674	664	654	648	643	633	623	622	688	0	11 23	820	23 24	621	199
15				628	629	637	637	636	637	640	679	746	807	845	840	819	776	718	677	647	638	614	594	597	589	590	596	676	1	11 14	860	22 04	582	278
16				604	613	619	621	621	626	629	656	694	759	(775)	821	781	703	673	646	637	607	572	572	589	584	592	603	650	1	11 51	832	18 55	566	266
17				603	608	612	616	620	618	617	642	682	732	744	748	732	697	668	647	636	623	616	611	610	616	612	612	647	1	11 04	757	0 30	602	155
18	✓			619	620	621	623	626	628	639	666	722	766	784	774	737	697	672	656	653	645	633	628	623	625	628	628	663	0	10 16	790	0 03	618	172
19				628	629	628	628	627	628	636	665	725	786	805	788	736	683	647	631	637	620	590	564	545	581	576	563	648	0	10 26	813	20 30	536	277
20			✓	581	593	599	602	604	607	614	641	689	748	787	(778)	746	680	646	616	614	627	628	629	628	622	625	631	647	1	[11 27	813]	0 01	569	(244)
21			✓	631	625	620	611	620	619	622	661	742	806	821	775	727	682	633	634	636	(632	622)	615	615	620	619	613	658	1	11 01	896	3 47	607	289
22				614	623	623	625	626	625	629	661	720	770	802	800	777	728	679	651	641	637	633	622	628	628	625	624	666	0	10 26	815	0 01	612	203
23				626	626	627	629	630	629	628	648	698	757	803	820	780	725	677	642	629	630	620	621	625	626	628	630	665	0	11 10	829	18 52	615	214
24	✓			630	632	630	631	632	628	625	650	702	755	792	814	792	757	708	673	648	646	645	640	636	632	634	635	674	0	11 37	824	6 28	621	203
25	✓	✓		637	633	633	636	636	634	628	640	675	726	769	782	771	746	704	679	647	641	639	637	634	632	630	633	668	0	11 44	787	22 38	625	162
26				629	629	630	634	640	641	644	660	692	714	743	773	754	742	722	684	662	647	641	639	638	635	633	631	669	0	11 18	787	1 23	628	159
27				633	631	636	639	637	636	629	638	672	722	750	781	751	730	697	678	665	652	641	637	637	632	631	628	666	0	11 39	786	23 11	627	159
28	✓	✓		631	632	634	633	637	639	643	663	700	737	762	769	760	740	712	687	671	656	646	641	638	636	634	634	672	0	11 07	773	0 20	630	143
29	✓	✓		635	637	637	638	638	636	637	659	697	754	793	806	793	751	701	674	663	656	649	645	643	639	638	638	677	0	11 13	809	6 05	631	178
30	✓			637	639	641	643	643	643	651	674	711	749	788	807	796	765	718	690	672	654	641	636	635	635	635	633	681	0	11 38	811	23 40	633	178
31																																		
MEANS ALL DAYS				621	623	625	627	628	628	631	660	707	755	784	787	757	721	684	662	647	635	624	617	616	617	617	617	662						206
MEANS TEN DAYS ✲				628	629	630	632	634	633	637	662	706	751	782	791	772	742	706	680	662	651	641	636	633	630	629	630	672						175
MEANS FIVE DAYS † (G. M. T.)				630	630	632	633	635	634	634	654	692	738	772	782	770	744	711	685	664	651	640 642	635 638	633	629	627	629	670						
MEANS FIVE DAYS ‡ (G. M. T.)				615	619	617	619	625	623	627	661	709	761	786	772	732	695	652	644	632	623	619	603	603	609	607	603	652						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 266

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1928 — MAY 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		635	636	636	636	638	641	642	662	698	740	775	788	774	747	714	690	679	662	650	644	637	634	633	640	676	0	11 19	792	22 34	631	161
2	✓	✓		640	640	642	644	643	644	660	695	732	797	815	819	801	765	720	696	683	670	652	643	636	639	637	633	689	0	11 12	823	23 10	632	191
3	✓	✓		634	635	637	638	638	643	660	686	725	767	788	786	761	724	698	686	676	660	649	646	644	641	639	640	679	0	10 39	794	0 09	633	161
4	✓			641	643	646	653	656	653	668	691	748	787	796	812	788	752	691	671	652	638	629	629	631	632	613	589	680	0	11 16	826	23 57	578	248
5				579	592	627	619	617	626	649	660	694	766	800	810	787	714	703	659	650	637	632	625	622	617	612	606	663	1	11 31	850	0 20	574	276
6				607	610	617	622	622	622	620	638	667	698	713	734	730	712	695	683	661	641	629	625	624	626	624	625	652	0	11 57	750	0 08	605	145
7				625	626	628	630	635	637	646	663	695	732	749	773	722	726	714	685	642	619	618	617	600	579	579	588	655	0	11 04	787	21 50	573	214
8				603	620	612	613	628	630	630	639	680	712	754	767	762	743	703	667	642	629	624	623	620	617	617	617	656	1	10 58	789	0 01	590	199
9	✓			617	620	623	626	623	619	628	655	689	748	779	811	804	759	708	670	646	634	628	626	624	623	614	614	666	0	11 55	822	22 53	610	212
10			✓	621	633	633	636	636	640	656	708	761	743	804	791	698	672	679	639	580	527	510	552	570	573	582	577	643	1	11 19	834	18 20	492	342
11				576	578	579	592	595	601	627	653	656	701	697	685	655	666	628	624	587	544	547	548	529	561	577	578	608	1	9 30	749	20 22	506	243
12			✓	597	593	595	601	615	612	607	619	660	667	714	701	706	667	645	635	628	617	584	575	588	600	605	607	627	1	10 48	758	19 19	560	198
13				590	593	613	608	604	604	610	626	673	727	753	749	740	691	661	633	625	620	605	603	602	600	588	593	638	1	10 27	761	1 01	583	178
14				601	610	612	618	614	607	616	637	675	705	741	741	734	725	699	663	637	614	592	578	588	612	608	603	643	0	10 58	749	19 29	576	173
15				609	612	614	624	623	617	613	634	642	680	686	706	712	706	671	656	644	629	634	618	627	617	616	616	642	1	13 08	727	20 52	602	125
16				616	620	624	630	630	628	633	637	674	713	762	(752)	751	724	693	606	592	606	611	611	629	597	599	610	648	1	[10 40	787]	16 04	581	[206]
17				616	625	621	616	627	628	644	657	679	714	707	730	730	703	674	653	640	633	629	625	623	625	613	611	651	1	12 04	739	23 59	597	142
18				594	599	616	621	623	620	639	669	708	727	703	707	705	701	642	627	619	612	612	610	621	620	616	616	643	1	9 19	750	0 23	589	161
19				623	625	623	622	623	621	631	657	682	704	729	743	745	714	681	645	633	625	618	619	620	620	618	618	652	0	12 42	764	18 56	615	149
20	✓			626	626	627	633	631	629	637	655	681	716	736	751	737	708	670	651	642	635	627	627	627	626	626	621	656	0	11 24	756	0 01	618	138
21	✓			626	626	623	625	626	627	629	651	687	717	730	745	733	708	681	657	644	638	629	629	630	627	626	626	656	0	11 27	750	2 53	620	130
22	✓	✓		623	623	626	630	631	637	650	671	694	713	724	710	700	690	676	664	654	642	635	626	623	624	626	627	655	0	9 57	734	20 50	620	114
23	✓			628	631	632	633	633	630	640	664	698	748	757	727	721	700	669	651	644	639	635	634	634	633	632	631	660	0	10 15	763	0 01	626	137
24				629	633	635	631	640	643	652	676	710	743	771	771	758	733	714	674	639	631	631	627	629	630	630	630	669	0	11 32	778	0 57	625	153
25				625	633	633	631	625	625	639	645	650	670	690	694	700	687	676	668	653	637	628	625	625	625	628	627	647	0	12 23	712	5 20	621	91
26	✓	✓		625	634	632	632	631	636	659	678	712	742	764	765	743	723	703	687	668	660	656	654	651	648	645	645	675	0	11 24	770	0 30	622	148
27			✓	645	651	650	651	649	637	645	658	679	726	844	817	691	632	599	600	533	525	539	551	543	551	520	531	628	1	10 46	904	22 40	508	396
28			✓	549	545	537	553	565	559	533	585	550	533	591	640	652	660	578	517	442	450	471	485	478	484	549	526	544	2	11 56	697	16 51	414	283
29			✓	558	550	554	566	575	575	550	524	531	545	587	666	669	646	598	591	587	570	570	565	557	555	579	571	577	2	12 18	715	7 34	619	96
30				583	587	582	582	588	591	608	635	674	714	734	722	704	676	667	630	604	592	582	586	586	591	598	592	625	1	10 54	741	0 01	576	165
31				591	597	605	600	610	612	622	644	682	715	755	778	749	748	691	661	634	610	600	592	583	589	583	581	643	1	11 35	790	23 59	579	211
MEANS ALL DAYS				611	614	617	620	622	622	630	651	680	713	740	748	731	707	676	650	628	614	608	607	606	607	607	606	647						187
MEANS TEN DAYS ✲				630	631	632	635	635	636	647	671	706	748	766	771	756	728	693	672	659	648	639	636	634	633	629	627	669						164
MEANS FIVE DAYS † (G. M. T.)				631	634	635	636	636	640	654	678	712	752	773	774	756	730	702	685	672	659	640 648	635 643	633	632	632	632	674						
MEANS FIVE DAYS ‡ (G. M. T.)				594	594	594	601	608	605	598	619	636	643	708	723	683	655	620	596	554	538	535	573	565	573	581	579	607						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 267

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1928

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				576	589	601	609	604	605	620	635	672	707	748	771	768	685	646	627	594	595	588	579	587	592	598	599	633	0	12 20	786	19 57	565	221
2				603	609	614	623	632	650	656	672	684	714	752	775	745	723	674	660	632	624	620	616	612	608	612	604	655	1	11 40	792	0 02	599	193
3				607	615	613	612	612	606	605	624	663	699	759	745	711	691	658	640	618	602	591	599	606	604	605	606	637	0	10 30	772	18 44	589	183
4				609	610	608	608	609	614	625	654	677	713	708	694	679	670	658	618	613	617	609	610	606	611	615	609	635	1	10 10	736	21 20	602	134
5				606	618	622	617	641	635	653	694	723	742	747	741	746	747	695	664	635	593	590	598	596	600	610	616	655	1	12 53	784	18 22	582	202
6				613	604	602	607	619	621	628	645	669	706	749	751	738	713	687	658	624	622	621	623	624	620	617	618	649	0	11 01	773	2 17	599	174
7			✓	623	615	611	620	616	620	621	623	642	721	685	698	665	620	649	611	593	600	600	604	622	609	603	606	628	1	9 41	763	16 11	591	172
8				616	614	613	622	625	631	604	612	623	652	676	710	717	715	708	683	650	617	597	591	602	611	602	602	637	1	11 46	732	19 25	587	145
9				608	606	606	620	620	623	624	631	642	656	672	695	697	668	642	624	620	614	620	617	614	614	611	612	632	1	12 00	706	2 32	603	103
10	✓	✓		611	611	614	613	619	622	632	647	674	699	717	732	721	694	664	643	639	628	620	619	622	622	621	622	646	0	11 29	736	0 45	609	127
11	✓	✓		623	623	624	629	631	629	624	621	639	671	711	732	730	699	666	644	645	642	638	624	622	630	626	617	648	0	11 52	736	23 59	608	128
12			✓	610	610	604	614	613	628	605	598	636	672	699	715	705	681	650	635	615	603	603	605	605	603	610	614	631	1	11 14	724	7 36	582	142
13			✓	612	623	620	630	620	589	576	570	609	654	698	712	713	683	636	610	598	609	615	609	589	578	594	593	622	1	11 19	749	7 38	550	199
14				593	614	594	601	611	615	622	638	649	658	686	672	671	662	644	630	615	598	594	601	606	617	605	605	625	1	10 28	701	0 09	576	125
15				613	613	618	618	615	617	626	654	674	704	(741	749)	736	724	692	654	628	619	617	616	612	607	617	614	649	0	[10 51	753]	21 26	604	[149]
16	✓	✓		611	615	620	623	624	624	632	637	649	672	698	712	721	719	697	669	638	621	619	620	618	613	606	609	644	0	13 24	727	22 22	603	124
17	✓	✓		613	617	620	619	621	623	639	666	693	724	718	746	739	727	703	676	646	628	627	626	625	623	616	616	656	0	11 46	750	0 10	607	143
18	✓			615	616	620	623	625	626	633	641	673	701	728	737	731	749	701	670	640	628	629	628	629	629	628	626	655	0	13 13	758	0 30	613	145
19	✓			624	623	628	631	632	632	640	657	674	709	726	738	746	713	693	660	642	633	632	633	634	634	631	628	658	0	11 59	755	1 26	623	132
20				631	626	631	629	630	636	642	658	682	711	757	782	796	757	747	686	647	617	586	616	621	613	612	621	664	0	12 13	818	18 36	578	240
21	✓			616	613	615	617	624	625	621	608	626	646	685	715	723	729	711	682	650	630	619	612	613	617	623	628	644	0	13 18	734	7 43	603	131
22			✓	630	620	621	620	605	596	600	619	603	621	648	682	717	712	667	631	592	592	576	612	582	595	603	599	623	1	13 00	750	8 47	566	184
23			✓	606	599	597	606	610	612	622	636	653	704	714	724	730	730	698	650	616	609	609	611	599	610	624	605	641	1	11 37	747	2 25	593	154
24				608	621	605	608	610	616	626	646	666	677	694	727	738	716	685	668	636	624	599	591	604	593	583	589	639	1	12 13	753	22 36	582	171
25				591	609	619	613	612	613	619	635	660	683	716	734	750	744	712	675	632	604	612	612	610	609	609	604	645	0	12 19	761	0 03	588	173
26	✓			610	615	618	619	616	614	620	620	648	676	716	714	713	722	689	664	641	629	623	619	617	612	615	618	644	0	13 33	734	7 21	602	132
27	✓	✓		613	614	617	620	621	623	638	662	690	722	762	776	785	751	705	670	641	627	619	624	622	612	608	611	660	0	12 34	793	22 51	605	188
28				619	622	627	624	624	632	640	652	679	716	740	754	773	740	698	663	637	607	598	597	605	606	608	613	653	0	12 42	788	19 22	595	193
29				614	613	617	632	629	631	637	652	666	714	762	777	767	723	681	634	637	634	620	620	623	624	623	618	656	0	11 37	782	0 57	611	171
30	✓			618	618	617	626	621	618	630	671	710	751	788	789	753	720	681	661	643	634	629	627	624	622	621	617	662	0	10 47	806	23 55	613	193
31																																		
MEANS ALL DAYS				611	614	615	618	620	621	625	639	662	693	720	733	731	711	681	652	629	617	611	612	612	611	612	611	644						162
MEANS TEN DAYS ✲				615	616	619	622	623	624	631	643	668	697	725	739	736	722	691	664	642	630	626	623	623	621	620	619	652						144
MEANS FIVE DAYS † (G. M. T.)				614	616	619	621	623	624	633	647	669	698	721	740	739	718	687	660	642	629	620 625	618 623	617	614	614	615	650						
MEANS FIVE DAYS ‡ (G. M. T.)				616	613	611	618	613	609	605	609	629	674	689	706	706	685	660	627	603	603	601	615	609	613	616	615	631						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 268

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1928 — JULY 1928

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			626	629	625	624	626	633	650	669	702	742	774	782	770	735	701	662	624	617	619	621	619	616	614	616	662	0	11	16 788	22	20 613	175
2			✓	620	627	626	644	659	647	651	662	664	664	690	710	730	703	687	664	635	625	622	625	628	622	609	614	651	1	12	57 745	22	20 602	143
3				615	610	609	608	632	625	624	641	659	702	720	716	692	671	624	623	615	619	620	618	619	622	622	622	639	1	10	36 738	14	36 603	135
4				622	622	622	612	625	618	611	618	667	710	788	775	776	737	676	639	626	622	609	599	604	612	613	631	651	0	11	01 807	19	50 597	210
5				620	613	617	621	624	624	630	647	676	694	717	731	733	706	672	651	643	637	629	(624)	621	613	642	626	650	1	12	04 759	21	15 610	149
6				620	622	627	619	622	627	633	644	656	690	719	725	712	700	659	645	629	621	622	618	622	616	611	615	645	1	11	37 734	22	00 608	126
7			✓	615	616	611	608	607	613	627	648	680	718	753	769	760	723	674	655	627	617	692	702	456	385	435	386	624	2	18	39 900	20	56 248	652
8				270	295	304	290	348	393	331	369	430	470	549	538	590	545	543	500	488	493	497	498	511	519	515	526	450	2	10	42 704	0	57 171	533
9			✓	513	512	516	534	537	525	529	561	564	613	598	619	606	595	576	551	544	542	547	548	568	560	553	556	557	1	9	24 660	1	09 500	160
10				560	554	563	558	558	552	550	576	589	611	646	675	670	650	637	605	570	564	568	561	569	562	573	560	587	1	11	57 690	6	23 544	146
11				566	577	569	563	566	564	556	562	587	605	613	608	606	599	584	576	578	567	563	559	562	566	571	577	577	1	12	52 628	19	57 546	82
12				566	570	572	575	576	577	594	620	638	660	673	682	683	669	640	615	595	581	578	575	571	569	577	577	606	0	10	46 697	0	09 563	134
13	✓	✓		577	578	579	578	579	581	587	608	640	677	693	686	675	658	639	620	609	597	589	587	581	578	582	581	611	0	10	45 696	21	12 574	122
14	✓			582	584	579	583	587	592	607	621	630	637	636	659	657	657	644	631	617	599	586	584	583	589	591	593	610	1	11	06 667	0	25 576	91
15	✓	✓		592	594	596	598	596	599	611	625	647	663	671	676	679	682	659	642	624	602	592	594	589	585	589	586	620	0	13	00 690	21	36 581	109
16	✓	✓		587	585	587	594	596	602	625	651	668	684	686	687	682	671	649	620	600	600	599	597	595	591	592	594	623	0	9	50 694	1	13 583	111
17	✓	✓		591	595	598	603	609	612	628	649	653	672	677	(694)	701	702	696	665	649	634	624	619	616	615	616	615	639	0	[12	55 714]	0	17 589	[125]
18				616	609	608	607	610	618	629	648	679	685	721	739	746	731	714	666	625	602	565	549	555	575	579	580	636	1	13	01 760	19	54 543	217
19	✓			595	591	593	593	595	594	594	612	623	689	740	737	737	704	644	611	601	601	595	592	591	592	591	595	625	0	10	24 754	1	17 589	165
20	✓	✓		591	595	599	603	604	611	624	639	656	694	732	763	771	732	690	650	626	606	610	610	605	599	605	607	643	0	12	35 788	0	40 590	198
21				604	609	614	617	624	629	638	657	688	720	758	805	810	781	724	659	629	628	600	587	555	542	558	546	649	1	12	09 843	21	17 536	307
22			✓	562	556	555	561	578	575	576	596	638	690	716	738	717	704	677	606	567	560	568	562	555	554	560	563	606	1	11	30 750	0	01 544	206
23				567	568	574	584	581	583	587	610	635	679	708	722	718	698	666	634	616	596	583	571	568	570	567	572	615	0	12	11 729	22	06 563	166
24				572	571	578	588	587	595	605	631	671	733	774	805	785	728	652	602	594	583	587	590	583	580	581	584	632	0	11	43 841	1	19 569	272
25				585	592	594	592	594	594	600	617	629	647	702	735	743	706	659	627	611	599	581	578	570	564	586	574	620	0	11	50 760	21	49 559	201
26				574	573	576	579	592	585	576	590	594	633	662	685	705	689	657	630	620	602	591	619	614	606	601	604	615	1	12	35 717	6	43 568	149
27				608	614	617	618	620	622	624	634	650	664	693	675	698	700	674	647	630	620	613	610	607	609	612	602	636	1	13	14 710	23	59 594	116
28				595	573	569	581	585	594	601	603	623	646	667	690	694	671	678	640	609	602	589	583	586	582	586	571	613	1	12	01 722	2	15 563	159
29	✓			576	581	586	593	595	600	620	646	660	666	668	677	684	672	664	640	626	615	608	603	603	603	602	603	625	1	12	13 691	0	01 569	122
30	✓			600	602	606	607	610	609	634	660	682	708	742	744	721	706	649	621	615	613	605	600	596	584	587	570	636	0	11	51 756	23	18 565	191
31			✓	583	601	604	617	620	625	639	670	700	709	711	745	729	672	620	594	588	572	574	[574]	Δ			Δ		1	10	55 769	[17	45 561	208
MEANS ALL DAYS a)				580	581	582	584	591	593	598	617	639	669	696	708	708	688	657	627	608	599	595	593	583	579	584	582	618						196 a)
MEANS TEN DAYS ✻				592	593	595	598	600	603	618	638	656	683	702	710	708	692	664	636	619	608	603	601	598	595	597	596	629						141
MEANS FIVE DAYS † (G. M. T.)				588	589	592	595	597	601	615	634	653	678	692	701	702	689	667	639	622	608	590 603	588 601	586	585	588	589	625						
MEANS FIVE DAYS ‡ (G. M. T.)				579	582	582	593	600	597	604	627	649	679	694	716	708	679	647	614	592	583	601	585	581	575	577	575	618						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day July 31

TABLE 269

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1928

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Δ																		Δ	595	593	591	591	585							
2				592	599	608	610	612	613	623	638	661	688	711	722	714	683	658	636	635	618	608	614	606	604	606	605	636	0	12 00	732	0 00	586	146
3				604	604	604	605	606	610	617	637	673	728	767	776	752	685	633	605	602	617	615	610	608	604	613	610	641	0	11 48	789	16 08	596	193
4			✓	610	609	610	613	620	620	627	652	680	691	719	734	763	710	689	648	620	617	600	555	543	546	552	584	634	2	12 13	812	22 12	534	278
5			✓	584	554	561	565	572	586	584	620	647	669	708	691	671	607	592	575	582	564	565	574	595	595	593	591	602	2	10 06	737	17 07	541	196
6				590	589	591	592	598	595	594	612	639	688	733	748	763	736	689	603	555	538	540	555	575	546	563	570	617	1	12 33	778	17 47	531	247
7			✓	584	579	591	589	587	586	585	597	613	658	678	689	674	648	612	593	594	593	590	590	588	586	590	591	608	1	10 09	724	0 00	574	150
8				589	593	600	597	596	602	616	638	667	709	735	733	717	690	668	640	621	612	604	594	593	593	597	598	633	0	11 09	755	0 50	588	167
9	✓			600	603	604	605	602	605	607	618	631	666	700	739	756	739	701	657	626	616	613	609	609	607	606	605	638	0	12 35	760	4 18	598	162
10	✓	✓		604	603	606	609	612	618	642	669	695	719	757	747	736	711	682	658	641	623	609	603	601	593	606	603	648	0	10 30	770	21 49	591	179
11				607	603	590	595	598	612	616	643	686	727	736	727	717	677	659	642	633	625	614	611	612	607	595	577	638	0	9 55	742	24 00	571	171
12				575	590	600	613	606	604	627	659	683	703	734	734	700	649	630	618	617	605	591	585	576	598	587	577	628	1	10 59	803	0 05	569	234
13				595	597	590	591	601	600	617	639	654	672	678	701	682	665	641	637	626	613	605	604	600	602	602	601	626	1	11 16	708	0 04	575	133
14	✓	✓		601	600	605	606	607	608	621	651	678	704	719	735	723	699	664	647	636	616	607	613	612	611	608	607	641	0	11 43	748	1 30	599	149
15		✓		612	613	612	612	617	618	635	660	700	739	756	(753)	731	712	675	651	635	617	609	609	608	616	598	600	650	0	[10 34	763]	22 40	595	[168]
16	✓			604	604	607	610	613	620	634	653	685	724	732	719	719	688	655	645	634	632	625	621	616	623	615	617	646	0	10 31	746	0 00	601	145
17				618	615	616	618	615	616	639	658	676	701	716	712	712	694	663	653	641	628	618	617	613	609	611	616	645	0	10 18	724	21 00	606	118
18				617	615	614	617	619	628	641	663	701	732	735	771	739	725	674	663	643	621	605	600	606	609	606	611	652	1	11 28	793	19 29	597	196
19	✓			611	611	614	615	617	620	638	658	678	699	709	722	722	717	703	667	641	626	619	618	617	617	617	616	649	0	12 29	726	1 34	609	117
20	✓	✓		615	615	615	616	620	623	634	656	680	710	738	741	726	712	689	668	645	624	619	618	618	618	618	616	651	0	11 02	754	0 30	614	140
21	✓			617	617	617	620	623	625	640	664	692	734	759	771	763	744	705	670	651	635	622	620	618	619	617	616	661	0	11 38	785	0 24	616	169
22	✓	✓		617	617	618	619	622	625	628	648	672	700	726	736	738	725	697	674	648	638	630	625	624	623	624	620	654	0	12 12	745	23 42	613	132
23				605	597	615	625	631	625	648	671	701	743	753	763	749	722	687	659	644	625	614	598	592	584	605	600	652	1	11 26	771	21 36	581	190
24				597	602	608	608	606	619	633	653	677	719	759	754	741	724	697	665	642	629	615	610	605	602	612	609	649	0	11 01	777	0 12	593	184
25				611	609	614	619	617	620	632	649	667	672	696	713	722	725	708	672	644	636	625	597	610	603	581	564	642	0	13 13	731	24 00	546	185
26			✓	547	553	549	564	595	585	594	610	625	655	707	675	720	716	686	680	633	583	549	534	517	487	475	464	596	2	12 23	767	23 37	459	308
27			✓	471	565	538	562	580	576	583	605	636	664	661	665	643	629	619	585	587	581	569	573	568	578	580	578	592	2	10 47	689	0 28	451	238
28				578	579	580	583	592	597	611	641	682	729	752	754	736	694	648	624	615	602	592	576	579	585	585	596	630	0	10 38	784	19 42	571	213
29				595	592	594	597	601	606	608	619	636	667	699	715	711	702	667	636	618	611	603	599	605	603	602	600	629	0	11 46	720	1 55	590	130
30	✓			599	603	607	606	603	610	634	663	704	734	754	760	725	700	675	644	628	615	610	611	609	607	612	607	647	0	11 33	774	0 55	597	177
31	✓			607	604	613	610	612	616	633	667	715	755	771	769	740	702	669	650	641	617	601	599	587	592	591	596	648	0	11 30	778	2[illegible] 58	582	196
MEANS ALL DAYS a)				595	598	600	603	607	610	621	644	670	703	727	733	724	698	668	642	626	613	603	598	597	596	596	595	636						180 a)
MEANS TEN DAYS *				608	608	611	612	613	617	631	655	683	714	736	744	735	714	684	658	639	624	616	614	611	611	611	610	648						157
MEANS FIVE DAYS † (G. M. T.)				610	610	611	612	616	618	632	657	685	714	739	742	731	712	681	660	641	624	613 615	613 614	611	611	610	609	648						
MEANS FIVE DAYS ‡ (G. M. T.)				559	572	570	579	591	591	595	617	640	667	695	691	694	662	640	616	603	588	575	570	571	557	557	558	606						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day August 1

TABLE 270

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1928 — SEPTEMBER 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				599	602	604	607	608	610	629	664	703	730	732	725	693	651	626	625	632	628	614	586	557	540	549	588	629	0	9 58	737	22 10	531	206
2				583	585	589	592	593	604	639	671	713	748	764	758	721	686	649	628	619	615	603	595	580	602	612	604	640	0	11 16	776	20 40	576	200
3			✓	598	609	609	591	601	608	609	651	693	745	748	770	717	668	634	592	586	575	578	575	577	581	583	585	628	1	11 30	808	19 14	570	238
4	✓			589	596	592	593	597	601	606	643	697	747	778	787	781	753	711	652	618	605	607	604	602	599	599	600	648	0	12 29	800	0 08	586	214
5				602	616	607	607	610	613	608	628	665	703	754	769	748	698	650	644	617	608	608	607	608	606	607	609	641	0	11 07	790	0 15	591	199
6	✓			611	615	615	616	619	624	611	600	616	674	722	745	750	728	675	637	624	609	610	610	609	608	610	611	640	0	12 01	756	7 22	592	164
7			✓	610	605	608	614	615	613	618	627	697	755	717	675	635	647	559	541	564	538	543	535	546	570	532	536	604	2	9 43	833	14 57	503	330
8			✓	571	592	565	586	591	577	575	577	591	643	654	681	695	655	641	580	556	524	494	509	564	529	535	558	585	2	12 14	717	18 32	491	226
9				559	572	576	583	589	592	592	601	630	658	681	697	671	638	609	587	585	582	575	562	560	556	564	570	600	1	10 50	706	0 28	550	156
10				571	570	575	582	585	585	605	618	670	678	693	706	681	674	668	648	632	608	595	588	584	590	592	591	620	1	11 16	717	0 30	569	148
11				592	587	592	593	592	596	609	618	659	671	704	717	685	658	641	630	604	599	592	589	586	589	595	592	620	1	11 22	747	2 04	581	166
12	✓	✓		591	593	597	600	605	611	633	657	692	721	747	761	739	710	662	650	633	615	615	620	617	617	613	613	646	0	11 33	776	0 12	591	185
13				615	617	619	615	620	625	650	699	751	805	813	768	735	700	672	650	640	626	621	618	619	614	602	585	662	1	10 05	845	23 58	578	267
14				571	579	594	597	602	609	625	654	694	741	759	743	738	705	668	641	620	598	593	598	601	615	596	595	639	1	10 49	795	1 05	564	231
15	✓			599	603	607	612	614	617	639	670	712	761	787	779	745	700	654	647	638	627	616	614	610	610	613	613	654	0	11 11	795	0 00	596	199
16	✓	✓		613	610	609	613	614	615	623	655	698	752	781	783	766	728	690	657	636	626	622	618	616	613	614	611	657	0	12 00	790	2 30	607	183
17	✓	✓		615	618	624	624	625	622	613	618	663	730	766	(774)	757	736	707	674	647	636	632	625	619	613	611	608	657	0	[11 30	780]	23 55	606	[174]
18			✓	609	614	618	622	624	628	642	679	723	775	846	878	801	745	738	643	606	553	535	570	584	577	572	557	656	2	11 11	965	18 20	527	438
19				564	572	584	590	601	604	600	596	635	677	770	757	736	698	668	636	616	603	592	592	597	595	590	591	628	2	11 31	825	0 00	561	264
20	✓			599	598	597	597	601	600	606	625	662	723	753	776	770	759	725	677	635	607	600	608	596	596	593	599	646	0	11 53	787	22 00	591	196
21	✓	✓		600	599	602	606	608	613	620	659	717	779	808	814	804	753	725	686	654	640	626	623	622	624	615	611	667	0	11 08	825	1 03	597	228
22				615	616	620	628	629	615	614	629	698	723	784	802	801	795	769	711	663	626	614	587	592	596	597	600	664	1	10 54	822	20 16	580	242
23				605	606	612	615	616	619	620	636	685	757	761	787	760	744	709	679	647	625	591	585	595	588	596	599	652	1	11 48	820	19 26	575	245
24				605	609	608	612	614	615	613	647	686	722	739	780	750	734	715	704	682	636	584	561	594	609	593	596	650	2	11 26	900	19 48	557	343
25			✓	602	603	610	612	623	617	601	616	684	667	678	661	684	657	655	607	597	568	550	556	573	573	575	585	615	2	10 05	725	18 50	544	181
26				597	602	604	595	593	597	617	662	696	736	746	743	722	693	676	663	651	629	609	600	599	594	589	595	642	1	10 55	784	22 35	588	196
27				598	593	597	601	606	608	629	685	745	802	826	777	730	664	653	629	629	627	618	614	612	610	611	611	653	1	10 32	851	1 33	590	261
28	✓	✓		608	602	602	604	607	614	643	709	788	851	877	862	799	722	674	648	639	632	616	614	617	616	615	615	674	1	10 42	881	1 50	599	282
29	✓			614	620	622	623	618	622	631	679	752	840	873	855	816	753	715	683	664	655	635	634	627	621	610	610	682	1	10 50	903	22 48	597	306
30				614	608	603	613	613	615	634	676	738	760	792	800	768	725	688	655	642	634	624	619	616	614	611	616	662	0	11 22	810	1 55	598	212
31																																		
MEANS ALL DAYS				597	600	602	605	608	610	618	645	692	736	762	764	740	706	674	643	626	608	597	594	596	596	593	595	642						229
MEANS TEN DAYS ✲				604	605	607	609	611	614	622	652	700	758	789	794	773	734	694	661	639	625	618	617	614	612	609	609	657						213
MEANS FIVE DAYS (G. M. T.) †				605	604	607	609	612	615	626	660	712	767	796	799	773	730	692	663	642	630	610 622	609 620	604	604	605	605	658						
MEANS FIVE DAYS (G. M. T.) ‡				598	605	602	605	611	609	609	630	678	717	729	733	706	674	645	593	582	552	540	585	590	600	592	591	624						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z̄ = NO RECORD

TABLE 271

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1928

OCTOBER 1928

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			616	615	614	616	617	618	622	668	738	805	848	795	723	683	656	614	624	629	622	617	614	612	612	615	658	1	10 40	869	15 28	606	263
2			✓	615	611	607	605	614	603	592	639	677	706	773	835	717	657	641	600	593	594	592	589	595	594	592	590	635	1	11 30	861	9 24	586	275
3				591	600	599	602	601	598	607	663	707	779	834	833	784	727	699	661	643	629	605	583	594	601	595	608	656	0	11 22	852	19 30	577	275
4	✓			615	610	611	611	607	605	595	624	699	769	834	854	825	755	696	643	638	639	635	616	609	612	593	587	662	0	11 29	870	23 17	579	291
5				588	602	602	600	599	602	610	625	673	738	769	774	744	698	652	623	595	592	596	594	582	580	578	585	633	0	11 05	800	21 55	575	225
6				590	592	607	605	607	605	608	619	674	740	793	799	786	725	712	667	636	615	612	595	585	565	578	580	646	0	10 57	830	21 47	563	267
7				568	569	571	582	595	594	576	582	616	676	709	737	709	703	656	631	620	610	596	587	590	590	590	587	618	0	11 15	755	0 50	565	190
8	✓			583	588	593	598	601	597	604	629	662	705	741	740	715	706	683	661	636	616	612	604	599	606	605	604	637	0	11 09	767	0 20	582	185
9	✓	✓		605	605	605	607	611	609	611	643	689	735	759	747	736	706	682	668	655	635	629	622	622	622	622	619	652	0	10 15	765	0 05	604	161
10	✓	✓		620	622	622	623	624	619	602	651	721	785	830	870	837	784	734	690	669	633	621	613	601	591	598	605	674	1	11 50	895	6 08	581	314
11	✓	✓		593	610	604	607	610	612	618	665	706	752	781	786	760	722	691	661	651	638	618	596	609	613	613	607	655	0	10 18	797	19 20	591	206
12	✓			610	617	620	622	624	623	635	681	736	777	796	794	766	723	672	647	636	629	620	615	615	613	608	605	662	0	10 48	800	23 45	604	196
13				605	604	605	609	608	605	617	663	731	784	785	757	765	675	674	647	629	624	596	589	581	577	595	600	647	1	9 41	799	21 24	573	226
14				591	603	607	610	609	606	607	635	688	737	748	749	746	728	686	653	627	615	607	599	597	595	610	607	644	0	12 07	762	0 29	588	174
15	✓			606	601	605	605	606	605	614	661	706	767	783	773	756	729	671	639	636	627	592	585	590	589	593	594	647	0	9 46	802	18 59	573	229
16				593	609	602	601	617	606	614	633	735	773	(786	778)	782	741	698	661	630	615	607	604	602	602	598	600	654	1	10 00	837	0 33	588	249
17				602	608	610	613	611	610	610	638	690	743	795	805	787	763	688	616	596	621	625	624	622	616	614	610	655	0	11 52	828	16 42	589	239
18				611	616	660	541	565	492	452	481	544	545	602	775	586	482	389	560	507	530	497	516	531	535	529	520	553	2	11 09	833	6 33	416	417
19			✓	525	527	531	533	538	536	528	558	(601)	668	730	767	729	699	656	616	588	575	566	566	569	564	573	570	596	2	11 20	794	6 28	523	271
20				567	562	567	577	582	576	586	630	692	745	780	790	778	740	691	634	598	589	578	557	561	583	581	578	630	0	11 33	806	19 25	550	256
21				580	582	584	587	592	590	591	627	671	717	736	746	728	728	692	672	632	590	582	578	581	564	568	576	629	1	11 38	783	21 43	558	225
22			✓	577	577	579	589	601	589	585	618	648	688	655	709	694	675	665	648	613	595	596	596	594	591	590	590	619	1	11 39	732	0 55	574	158
23		✓		587	595	598	594	594	591	614	648	685	711	728	736	715	685	665	641	630	621	615	611	603	607	596	594	636	0	11 53	752	0 46	582	170
24			✓	599	608	598	598	602	598	597	626	683	767	765	762	746	704	685	628	574	586	540	455	448	514	461	498	610	2	9 53	796	20 24	424	372
25			✓	519	529	529	533	542	552	550	587	614	654	706	711	711	682	649	562	562	576	572	570	573	571	573	569	592	2	11 57	976	0 42	506	470
26				573	575	579	576	584	596	616	658	704	705	714	723	693	697	678	654	637	621	609	598	591	590	594	589	631	2	11 38	803	0 07	569	234
27				590	585	589	582	578	580	600	643	692	728	746	728	704	655	640	617	617	592	586	588	588	573	574	579	623	1	10 57	782	4 51	570	212
28	✓	✓		576	590	592	594	601	613	638	672	707	744	728	726	703	683	670	659	633	611	603	600	603	603	598	594	639	0	9 41	769	0 27	571	198
29				588	597	588	598	603	609	629	671	725	758	747	704	704	671	651	641	631	607	606	611	614	602	599	604	640	0	10 05	787	0 26	583	204
30				601	601	597	593	601	605	615	667	695	756	765	750	687	652	636	599	606	612	600	597	593	603	600	595	634	0	9 45	776	3 46	590	186
31	✓			596	595	598	601	600	603	622	667	720	763	782	775	733	692	654	620	603	608	603	590	597	592	592	596	642	0	10 34	790	19 59	587	203
MEANS ALL DAYS				590	594	596	594	598	595	599	635	685	733	760	769	737	699	671	637	618	609	598	589	589	589	588	589	636						243
MEANS TEN DAYS ✻				602	605	606	608	610	610	616	656	708	760	788	786	755	718	681	650	638	626	616	606	606	605	603	603	653						225
MEANS FIVE DAYS † (G. M. T.)				596	604	604	605	608	609	617	656	702	745	765	773	750	716	688	664	648	628	609 617	605 608	601	597	598	599	650						
MEANS FIVE DAYS ‡ (G. M. T.)				567	570	569	572	579	576	570	606	645	697	726	757	719	683	659	611	586	585	573	555	555	566	553	561	610						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 272

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1928

NOVEMBER 1928

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				598	600	600	604	607	601	597	641	707	761	792	813	796	761	728	650	620	612	626	622	617	602	576	556	654	0	11 52	822	23 22	547	275
2			✓	569	558	563	580	582	574	573	615	662	669	674	726	710	661	639	576	581	586	579	562	571	556	562	579	604	1	11 56	779	1 03	552	227
3			✓	583	575	581	586	581	575	574	559	598	638	721	708	702	665	628	592	586	567	569	569	571	570	559	558	601	1	10 39	753	7 05	532	221
4				578	587	584	585	586	583	580	596	581	618	674	673	667	672	648	613	612	604	596	595	587	588	588	586	608	1	10 52	728	0 00	561	167
5	✓			586	586	586	592	592	594	605	636	671	669	684	671	650	633	624	627	627	612	602	597	598	600	605	603	619	0	10 12	702	0 50	584	118
6	✓			601	601	601	598	599	606	620	644	681	691	693	696	686	669	655	643	612	605	597	596	602	601	596	598	629	0	10 36	712	20 04	592	120
7				599	602	607	611	611	615	632	670	697	718	737	684	667	639	629	622	622	623	613	609	604	604	606	608	635	0	10 34	759	0 04	597	162
8	✓	✓		609	609	608	612	617	632	665	710	751	765	750	717	683	660	650	650	649	635	628	625	626	626	624	621	655	0	9 46	770	2 42	606	164
9	✓	✓		619	619	618	620	622	630	646	680	717	738	737	733	712	714	681	670	658	647	645	638	637	630	628	626	661	0	11 14	757	2 49	617	140
10				629	631	650	636	616	641	653	691	697	640	568	631	651	664	661	636	606	582	576	576	577	579	586	590	624	2	8 24	728	10 34	531	197
11				591	595	596	595	595	603	629	670	707	735	701	690	723	702	671	659	648	601	601	585	586	596	586	588	636	2	12 02	783	20 18	569	214
12				597	600	600	608	612	616	623	666	712	735	743	771	756	732	692	645	598	567	576	593	587	587	581	582	641	0	11 26	807	17 55	561	246
13			✓	579	580	602	596	594	607	618	636	697	738	711	709	686	647	568	553	566	570	572	571	570	567	568	577	612	1	9 58	750	14 51	526	224
14				580	582	584	581	579	585	589	607	658	731	730	742	737	713	678	655	625	605	593	580	572	586	599	593	628	0	10 26	767	20 46	569	198
15			✓	585	601	606	607	602	608	617	647	712	791	729	(674)	708	699	675	642	628	590	616	600	594	594	588	593	638	1	10 03	832	17 41	562	270
16				599	598	587	596	593	595	595	620	669	661	701	727	708	698	676	654	615	604	593	604	609	599	592	595	629	1	11 45	765	2 03	582	183
17			✓	604	605	601	598	611	608	595	625	669	700	745	724	705	662	669	651	627	607	608	596	595	595	601	598	633	2	10 05	831	6 27	586	245
18				601	604	601	598	591	586	594	628	668	707	730	749	715	697	656	635	618	612	613	610	611	603	599	598	634	0	11 59	770	5 43	582	188
19				599	603	601	600	599	604	613	630	672	703	756	757	714	671	658	637	624	613	609	602	603	606	606	604	637	0	10 47	783	3 42	593	190
20	✓			602	602	601	599	606	611	619	641	665	686	702	709	704	689	663	650	633	622	614	615	611	611	613	614	637	0	11 34	715	3 44	598	117
21	✓			613	612	611	612	616	619	621	637	664	683	696	706	715	716	699	672	648	631	627	626	624	624	622	621	646	0	12 49	720	3 15	610	110
22	✓	✓		622	623	624	626	629	636	645	665	684	689	692	675	672	672	663	652	648	641	631	627	624	624	613	603	645	0	8 56	707	24 00	599	108
23	✓			592	596	597	601	606	617	630	657	677	677	650	639	625	619	624	637	639	631	623	621	620	621	620	618	627	1	8 36	685	1 10	588	97
24				616	619	614	617	610	618	611	612	593	585	626	629	660	665	655	654	645	619	603	589	581	591	597	597	617	1	14 00	674	8 56	535	139
25				596	598	593	613	614	617	622	657	657	668	679	676	669	648	645	637	630	626	621	614	611	610	608	611	630	1	9 57	700	2 34	589	111
26				612	611	614	611	612	623	635	659	684	691	694	697	694	661	652	638	636	629	623	619	617	616	613	614	640	0	11 17	733	3 40	609	124
27				614	610	610	614	616	628	645	671	700	700	723	713	687	678	656	640	631	620	615	608	605	609	611	609	642	0	10 38	732	20 10	604	128
28	✓	✓		611	614	615	617	618	632	656	693	729	742	739	715	686	668	647	641	635	628	624	623	627	624	625	621	651	0	10 06	764	0 02	607	157
29	✓	✓		620	621	626	627	629	631	640	666	709	736	742	731	723	691	677	657	647	637	637	637	635	634	627	628	659	0	10 44	745	1 13	618	127
30				628	628	623	623	(625	637	659	681)	719	749	761	722	708	675	630	633	630	621	630	634	611	598	614	605	652	1	10 53	790	21 15	593	197
31																																		
MEANS ALL DAYS				601	602	603	605	606	611	620	647	680	700	709	707	697	678	657	637	625	612	609	605	603	602	600	600	634						172
MEANS TEN DAYS ✲				608	608	609	610	613	621	635	663	695	708	708	699	686	673	658	650	640	629	623	620	620	620	617	615	643						126
MEANS FIVE DAYS † (G. M. T.)				616	617	618	620	623	632	650	683	718	734	732	714	695	681	664	654	647	638	621 633	618 630	617	617	618	616	652						
MEANS FIVE DAYS ‡ (G. M. T.)				584	584	591	593	594	594	595	616	668	707	716	708	702	667	636	603	598	584	589	592	591	586	582	581	619						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 273

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	609	603	598	621	627	636	639	680	725	760	769	755	722	689	648	630	622	621	627	633	620	621	620	622	654	0	10 14	776	2 00	596	180
2	✓			627	619	619	619	619	619	621	631	670	721	761	776	758	726	689	627	614	606	610	612	611	612	614	613	650	0	11 30	789	18 00	598	191
3	✓			613	613	615	616	615	616	616	628	653	681	710	722	729	708	667	654	636	625	617	619	621	622	621	623	643	0	12 34	747	0 32	611	136
4		✓		625	624	620	619	626	621	615	634	686	735	741	771	763	751	730	696	656	630	618	625	(627)	625	622	620	662	0	11 24	795	6 35	610	185
5			✓	622	623	626	628	626	624	625	635	668	703	713	765	776	741	735	700	644	596	549	582	595	591	594	581	648	1	12 35	801	18 55	536	265
6			✓	585	604	598	600	591	590	581	589	617	688	687	689	699	697	647	620	606	594	599	594	577	581	584	588	617	1	9 52	730	6 47	568	162
7				589	589	587	589	601	611	618	626	647	692	674	704	695	695	679	658	629	617	612	612	611	608	607	607	632	1	11 54	722	0 50	584	138
8				610	607	604	606	609	617	621	643	672	696	725	717	719	696	668	643	617	612	609	618	617	615	614	612	640	0	10 54	747	2 40	602	145
9	✓			610	611	610	610	614	622	624	642	653	700	725	745	737	708	668	639	622	615	615	618	615	618	617	617	644	0	11 08	769	3 26	608	161
10				615	612	608	611	614	617	624	626	679	725	732	748	754	722	670	627	612	614	619	620	617	611	611	615	646	0	12 33	763	15 50	603	160
11				615	611	610	613	616	626	640	664	711	740	769	739	769	737	650	637	629	611	625	606	599	588	604	598	650	1	12 12	858	21 34	582	276
12			✓	594	601	604	604	611	615	636	634	650	714	746	776	704	694	651	620	627	635	600	594	602	606	605	611	639	1	11 10	831	18 44	574	257
13			✓	612	609	613	618	621	623	618	642	676	704	739	749	729	699	656	634	611	607	610	613	611	615	617	613	643	1	10 29	781	17 24	598	183
14				611	610	609	613	618	616	608	622	671	711	757	768	737	683	636	622	626	623	617	620	613	612	611	612	643	0	10 25	777	6 36	597	180
15	✓			616	611	609	611	610	611	615	625	670	720	756	(777)	769	743	710	667	643	624	619	615	614	614	616	618	653	0	[1 04 808]		2 00	608	[200]
16	✓			618	620	616	620	619	615	611	628	677	724	756	765	737	709	668	658	639	625	621	621	621	622	623	625	652	0	11 25	778	6 38	608	170
17	✓	✓		623	622	622	622	623	618	617	632	670	703	738	755	729	712	671	656	644	628	624	627	624	622	622	624	651	0	11 44	762	6 08	613	149
18				624	625	625	620	616	612	604	615	642	726	754	764	775	725	683	649	626	616	613	612	616	617	617	618	650	0	11 00	795	6 30	600	195
19	✓	✓		621	623	622	621	620	616	606	614	659	716	751	766	747	699	651	624	624	630	627	625	622	620	613	609	647	0	11 16	774	6 59	603	171
20	✓	✓		608	612	613	616	617	624	638	664	707	732	740	751	744	717	675	645	634	629	627	628	630	626	620	613	655	0	12 25	762	0 10	605	157
21				614	615	612	626	627	634	648	655	685	705	659	710	675	598	599	612	611	613	616	⧖						1					
22		✓								⧖	642	646	679	718	705	707	654	617	601	615	615	617	621	625	623	621	618		1					
23				612	611	604	610	609	618	637	653	688	723	□					□	620	620	624	622	623	624	627	637							
24				636	632	626	623	627	631	646	639	628	662	681	676	627	594	583	614	628	623	610	602	596	609	612	610	626	1	10 21	700	14 43	573	127
25				611	617	613	619	622	631	650	686	714	734	740	731	728	719	662	662	651	639	629	612	607	599	596	600	653	1	12 23	778	22 34	581	197
26				605	616	608	613	617	627	644	683	695	727	704	663	583	568	573	601	625	634	624	619	620	621	621	618	630	1	9 10	734	14 08	554	180
27				618	619	619	619	622	637	662	678	700	734	763	744	703	661	626	602	619	629	634	627	611	619	621	629	650	0	10 37	770	15 14	596	174
28	✓			628	625	625	625	625	629	660	687	718	742	742	714	652	592	570	579	605	629	641	638	641	639	641	638	645	0	9 30	750	14 28	557	193
29				633	630	635	635	635	644	662	708	745	800	811	798	776	704	658	636	634	628	601	606	618	618	617	617	669	1	10 15	848	18 29	595	253
30				620	622	622	616	613	615	619	655	577	777	800	801	739	670	611	598	605	613	617	605	609	608	615	618	644	1	11 36	831	15 34	587	244
31	✓			619	618	621	621	620	616	622	652	695	753	777	788	737	683	641	626	611	613	618	622	622	622	622	621	652	0	11 27	801	16 27	607	194
MEANS ALL DAYS a)				615	615	614	616	618	621	627	645	674	722	741	747	726	694	656	637	626	620	615	615	614	614	614	614	646						a) 187
MEANS TEN DAYS ✲				618	617	617	618	618	619	623	640	677	719	746	756	734	700	661	638	627	622	622	622	622	622	621	620	649						172
MEANS FOUR DAYS b) † (G. M. T.)				619	620	619	620	622	620	619	636	680	722	742	761	746	720	682	655	640	629	620 624	619 626	620	620	618	619	653						
MEANS FIVE DAYS ‡ (G. M. T.)				604	608	608	614	615	618	620	636	667	714	731	747	726	704	667	641	622	611	597	608	607	602	608	603	641						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

a) Twenty-eight days only, omitting incomplete days December 21 to 23

b) Omitting incomplete Greenwich day December 22

TABLE 274

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1928

JANUARY 1928

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	700	700	701	701	702	698	700	704	704	700	697	690	683	679	677	676	673	683	694	698	698	697	698	698	694	1	7 27	705	15 54	670	35
2	✓			697	699	700	701	701	703	706	714	716	717	714	701	688	679	674	670	677	685	688	694	695	695	696	697	696	0	8 01	718	15 15	668	50
3				696	696	696	699	697	699	697	698	695	693	690	678	667	664	659	656	671	680	689	694	695	695	696	696	687	0	5 15	700	14 57	654	46
4				696	696	697	698	698	697	699	711	720	721	719	707	691	679	678	679	681	682	687	694	694	695	693	693	696	1	9 45	723	13 48	677	46
5				693	693	693	694	694	693	695	703	705	701	700	691	677	660	669	675	680	685	691	693	696	696	696	696	690	0	8 06	706	13 42	659	47
6				696	696	694	696	698	698	703	713	718	712	714	714	702	701	687	678	680	684	689	694	694	695	695	696	698	0	8 21	719	15 50	677	42
7				696	695	695	697	699	696	701	706	707	702	700	693	683	680	692	696	700	697	694	697	707	710	729	729	700	0	23 00	729	13 09	677	52
8	✓			723	719	717	716	713	710	709	712	708	712	717	699	684	693	697	697	696	696	698	703	703	705	705	706	706	1	0 00	729	12 28	681	48
9				708	707	707	710	711	708	707	712	721	718	714	701	698	692	681	677	679	688	696	702	704	704	705	704	702	0	8 28	721	15 33	676	45
10	✓			706	706	706	707	708	707	707	710	711	714	721	718	708	706	707	704	706	707	706	707	707	708	708	707	708	0	11 01	723	15 25	701	22
11	✓	✓		708	708	709	710	711	711	713	716	720	717	714	703	691	682	682	685	691	698	701	705	706	708	708	708	704	0	8 09	720	13 54	679	41
12	✓	✓		708	708	708	710	711	708	706	708	710	713	712	703	696	695	(697	701)	702	705	709	713	713	713	711	712	707	0	9 59	714	[13 23	694	20]
13	✓	✓		711	712	712	713	714	713	714	722	(731)	735	740	737	732	728	722	711	702	703	(704)	709	710	709	709	708	717	0	10 30	744	16 40	701	43
14	✓	✓		708	709	710	710	713	711	709	716	722	722	734	729	722	721	713	708	712	711	709	711	711	711	712	713	714	1	10 30	736	15 40	706	30
15	✓			714	714	712	713	714	713	711	718	725	731	733	724	712	707	702	701	704	708	708	711	711	709	709	709	713	1	10 05	735	14 55	698	37
16	✓			709	710	710	712	713	712	713	715	717	717	722	722	708	702	706	708	705	704	708	710	711	712	711	711	711	1	11 10	724	13 30	701	23
17				710	711	712	713	715	714	716	721	727	729	735	(737)	735	741	730	713	707	704	701	704	703	704	703	699	716	1	13 36	743	23 59	697	46
18				698	699	700	704	706	704	700	704	705	705	718	718	716	712	714	716	710	702	701	703	703	702	702	702	706	1	10 40	722	0 21	697	25
19				702	702	703	705	707	704	706	714	715	708	711	710	706	704	696	691	694	695	698	701	702	702	702	702	703	1	7 55	717	15 26	690	27
20				702	703	705	705	705	703	704	711	721	729	732	734	731	732	732	725	717	709	703	701	703	704	704	705	713	1	11 45	737	19 58	700	37
21				706	706	708	710	712	710	708	721	724	718	715	713	714	715	706	705	708	711	711	710	710	712	711	710	711	1	8 15	725	15 48	702	23
22				709	709	710	711	711	708	711	713	706	706	707	708	710	728	735	724	706	702	700	704	704	703	703	701	710	1	14 14	738	18 12	699	39
23			✓	701	700	703	703	703	701	697	700	703	706	709	701	694	694	699	714	711	711	709	(707	709	710)	711	710	704	1	15 25	716	13 05	692	24
24				709	709	708	709	709	706	706	709	709	705	699	(700)	700	704	709	705	703	705	706	708	709	(709)	709	710	706	0	23 59	711	[11 09	698	13]
25				709	710	711	713	714	711	708	708	712	708	707	709	697	688	693	707	710	711	707	710	717	728	734	731	711	1	22 27	735	13 40	685	50
26				730	728	727	726	724	721	718	720	728	731	732	732	731	737	733	722	721	719	716	720	720	721	718	715	725	0	14 04	738	18 15	715	23
27			✓	713	713	715	715	717	719	715	715	715	713	715	715	707	688	677	677	694	695	696	696	697	697	698	699	704	1	5 41	721	15 10	670	51
28			✓	698	700	702	703	707	707	711	722	732	717	717	718	723	727	715	703	702	704	705	711	713	713	711	711	711	1	8 35	735	0 50	697	38
29			✓	711	711	712	715	717	716	712	713	711	707	710	713	707	697	686	682	690	701	705	712	710	709	712	712	707	1	4 55	718	14 51	679	39
30				712	712	711	712	713	713	709	712	718	717	715	(708)	701	691	691	690	700	703	703	707	708	709	709	709	707	1	8 05	718	15 04	686	32
31	✓	✓		708	708	710	710	709	707	707	713	720	724	731	729	713	701	700	698	694	698	699	702	701	701	701	701	708	0	10 45	732	16 30	691	41
MEANS ALL DAYS				706	706	707	708	709	707	707	712	715	714	716	711	704	701	699	697	698	700	701	704	705	706	707	706	706						37
MEANS TEN DAYS *				709	709	709	710	711	710	710	714	718	720	724	716	705	701	700	698	699	702	703	706	707	707	707	707	708						36
MEANS FIVE DAYS (G. M. T.) †				709	709	710	711	712	710	710	715	721	722	726	720	711	705	703	701	700	703	705 704	708 708	709	709	709	709	710						
MEANS FIVE DAYS (G. M. T.) ‡				705	705	707	707	709	708	707	711	713	709	710	707	703	697	691	690	694	699	702	706	707	707	706	705	704						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 275

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1928

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			703	701	700	699	700	701	702	712	715	710	703	(691)	688	691	682	669	670	679	685	691	695	699	703	706	696	1	7 51	717	15 40	668	49
2				709	706	708	709	709	707	707	716	721	728	732	723	702	690	683	682	687	692	700	(701)	703	705	706	706	706	1	10 21	734	14 56	681	53
3				705	704	705	706	708	707	704	713	720	721	723	721	722	728	725	703	695	693	697	701	701	702	702	702	709	1	13 28	729	17 35	692	37
4				701	701	703	704	706	704	702	705	708	706	703	700	695	694	687	684	691	696	701	702	702	701	701	701	700	1	8 40	709	15 48	683	26
5	✓			699	701	704	705	705	704	704	708	711	710	712	717	717	722	722	719	711	710	707	707	705	705	706	706	709	1	14 08	724	0 21	699	25
6				706	705	705	707	709	707	704	706	708	708	716	716	699	689	702	701	700	698	701	705	705	704	704	704	705	1	11 00	722	13 13	686	36
7				702	702	704	705	706	706	705	710	715	715	710	702	698	698	696	696	702	699	700	704	704	705	704	704	704	1	8 10	715	12 23	696	19
8	✓	✓		703	702	704	704	705	705	701	702	701	702	702	700	695	687	682	685	692	696	699	704	703	703	703	703	699	0	5 02	706	14 40	681	25
9	✓	✓		701	702	703	705	707	705	706	718	730	734	735	726	714	706	709	709	711	707	705	706	704	704	704	704	711	0	9 30	736	1 03	700	36
10	✓	✓		706	706	705	705	706	708	707	709	709	705	703	699	697	694	686	678	682	692	699	704	702	702	703	704	700	0	7 20	710	15 50	678	32
11	✓	✓		704	704	704	706	707	707	708	712	715	714	711	705	701	696	687	683	690	697	698	701	701	702	703	704	702	0	8 15	716	15 20	681	35
12				705	704	706	705	708	709	712	720	725	724	712	699	685	678	676	685	691	695	697	700	701	703	704	706	702	1	8 13	726	14 25	672	54
13			✓	704	705	708	708	710	709	706	709	710	713	720	723	717	710	707	705	706	706	705	707	705	705	706	708	709	1	10 50	724	0 12	702	22
14				708	708	709	709	709	710	709	715	721	724	723	712	709	711	709	698	693	693	700	706	708	709	708	708	709	1	9 56	728	16 03	693	35
15				708	708	710	710	711	712	713	722	728	726	736	737	722	715	706	699	701	705	707	710	710	710	709	710	714	1	11 04	740	15 50	698	42
16				708	708	709	710	712	712	714	722	729	725	721	(718)	712	720	711	698	693	697	702	707	707	708	709	710	711	0	8 20	730	16 40	691	39
17	✓			710	710	711	711	712	710	707	706	707	709	706	700	688	689	692	693	698	700	703	708	710	710	712	710	705	0	4 38	712	12 50	687	25
18			✓	709	708	709	712	712	712	709	720	728	734	734	729	725	716	711	704	704	705	704	708	709	709	708	708	714	1	9 52	737	15 50	702	35
19			✓	708	710	710	711	713	711	710	713	722	727	731	728	725	719	717	710	707	708	710	713	715	715	715	715	715	1	10 39	732	16 40	706	26
20				715	714	713	714	715	716	715	722	726	729	731	728	725	715	708	707	701	706	710	712	714	714	713	713	716	0	10 19	732	16 25	700	32
21			✓	713	713	713	715	715	714	714	724	730	726	720	(718)	723	717	711	701	697	700	708	715	715	715	716	716	715	1	8 14	732	16 02	696	36
22				715	715	716	719	719	718	716	720	726	727	723	712	706	700	693	691	695	702	710	715	715	715	715	715	712	0	9 41	728	15 30	690	38
23	✓			714	714	717	718	720	719	717	721	721	718	713	711	712	704	703	708	711	711	713	715	716	716	716	716	714	1	7 35	722	13 50	700	22
24	✓	✓		714	715	716	718	720	720	722	733	741	749	749	731	713	704	701	701	704	709	715	718	717	717	717	715	719	0	9 30	750	14 38	700	50
25				712	713	715	718	719	720	721	727	728	725	726	720	718	713	707	706	708	713	717	719	719	718	717	716	717	1	8 25	732	15 47	705	27
26			✓	716	717	719	720	721	722	720	731	741	738	731	728	727	720	712	705	701	706	714	719	719	719	719	718	720	1	8 39	743	16 02	701	42
27				718	717	719	722	722	723	722	727	728	724	718	713	703	703	699	690	691	700	711	717	718	718	718	717	714	0	7 30	728	15 34	690	38
28				718	719	719	721	722	722	722	726	725	725	722	721	721	715	710	701	705	710	714	719	720	720	721	719	718	1	7 34	728	15 31	700	28
29	✓			719	721	722	722	725	723	724	727	731	732	730	727	722	719	716	714	714	716	716	720	721	721	721	721	722	0	8 15	732	15 30	713	19
30																																		
31																																		
MEANS ALL DAYS				709	709	710	711	712	712	711	717	721	722	721	716	710	706	702	697	698	701	705	709	709	709	710	710	710						34
MEANS TEN DAYS ✱				707	708	709	709	711	710	710	715	718	718	716	711	705	701	698	696	698	702	704	707	707	708	709	709	708						32
MEANS FIVE DAYS † (G. M. T.)				706	706	706	708	709	709	709	715	719	721	720	712	704	697	693	691	696	700	703 703	707 707	706	706	706	706	706						
MEANS FIVE DAYS ‡ (G. M. T.)				710	711	712	713	714	714	712	719	726	728	727	725	723	716	712	705	703	705	708	709	711	711	711	711	714						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 276

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MARCH 1928

MARCH 1928

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			721	722	723	724	724	724	723	723	724	721	725	726	731	733	728	718	714	716	719	723	722	722	723	722	723	1	13 20	734	16 20	713	21
2	✓	✓		723	724	725	726	726	725	724	728	732	735	737	737	735	733	731	727	718	716	720	723	723	722	723	723	726	0	11 00	739	17 15	715	24
3	✓			723	723	724	725	726	726	725	727	727	725	721	718	716	720	718	715	716	718	720	720	722	722	723	723	722	0	7 20	728	15 55	714	14
4	✓	✓		723	725	725	726	727	727	726	729	732	734	737	735	730	733	725	723	718	718	719	722	722	722	722	722	726	0	10 49	738	16 33	717	21
5	✓	✓		723	724	726	726	726	727	721	721	725	726	723	720	715	717	716	711	710	711	718	722	723	724	723	722	721	0	5 10	728	16 57	709	19
6	✓			722	723	725	726	726	726	724	730	738	743	745	745	743	739	732	730	726	722	721	723	723	724	725	724	729	0	10 05	746	18 14	721	25
7				723	724	726	727	728	728	728	732	734	736	739	739	739	737	729	722	720	716	718	723	723	723	722	722	727	0	10 20	741	17 50	715	26
8	✓			722	723	725	725	728	729	728	730	734	742	749	747	741	734	728	723	718	718	721	723	725	725	725	726	722	0	10 40	749	16 45	717	32
9	✓	✓		726	727	727	728	728	728	728	732	732	733	732	725	717	712	710	712	713	717	721	724	723	723	722	722	723	0	7 40	734	13 54	709	25
10				722	723	725	728	728	728	729	739	744	743	739	732	730	723	716	709	707	712	717	723	723	724	723	723	725	0	8 10	744	16 25	706	38
11			✓	725	726	728	728	728	730	729	736	738	739	741	749	738	727	723	714	716	715	719	719	719	719	722	724	727	2	10 56	751	15 20	714	37
12			✓	724	727	727	729	730	729	731	742	751	751	748	748	744	742	735	723	715	712	718	722	723	722	723	723	731	1	8 36	752	16 55	711	41
13			✓	725	726	728	729	731	731	733	737	740	741	741	734	739	738	730	721	718	716	717	719	723	722	722	723	728	1	9 17	744	17 21	714	30
14			✓	725	727	728	729	732	732	730	735	740	738	737	739	737	730	719	709	707	712	716	719	720	720	721	720	726	1	8 20	744	16 10	706	38
15				722	726	727	727	727	728	727	729	727	725	722	(719)	714	716	709	700	699	705	712	717	719	719	717	720	719	0	7 18	731	15 54	697	34
16				722	723	725	725	726	726	725	730	733	735	736	741	746	744	741	733	723	717	716	718	720	721	722	720	728	1	12 31	747	17 49	716	31
17				720	722	723	725	726	727	726	726	729	730	730	731	731	728	727	723	718	714	714	718	720	720	719	718	724	1	12 20	732	17 52	713	19
18				721	723	722	723	725	724	725	732	739	740	741	740	738	735	731	728	724	718	716	716	717	718	717	718	726	0	10 40	742	18 20	715	27
19				718	719	721	723	723	724	724	726	729	732	734	738	739	732	727	724	724	722	720	718	718	719	719	719	725	0	12 54	739	20 10	717	22
20				718	720	722	722	723	723	721	723	719	712	710	711	718	719	715	716	719	720	720	721	721	720	719	720	719	0	5 09	725	10 30	709	16
21				721	722	724	724	725	724	722	723	724	724	719	714	716	722	728	728	721	717	718	719	719	719	719	719	721	0	14 50	731	11 25	714	17
22				721	721	723	723	724	722	719	723	728	731	730	730	734	735	738	735	728	723	720	719	719	719	718	719	725	1	15 10	739	22 20	717	22
23			✓	721	723	723	723	723	721	724	732	740	744	742	736	728	717	708	705	706	708	715	718	719	717	717	717	722	1	9 40	745	15 32	703	42
24				720	721	722	723	724	723	719	724	732	732	733	733	730	724	719	715	716	721	721	721	720	719	719	718	723	1	10 47	734	15 31	714	20
25				720	749	723	722	725	724	725	730	738	734	731	723	716	703	696	704	711	717	720	721	721	721	722	722	722	0	8 10	738	14 08	695	43
26				722	723	726	726	727	727	728	732	738	739	732	724	715	708	707	708	712	718	721	722	720	722	722	721	722	0	8 40	740	13 50	706	34
27	✓			723	724	725	725	726	727	728	730	734	737	737	736	728	720	719	714	713	718	721	720	721	721	721	720	724	0	9 25	738	16 40	712	26
28				720	722	724	724	725	724	726	730	736	741	741	739	737	723	712	712	712	716	717	718	720	721	721	720	724	0	9 40	742	16 00	710	32
29				721	721	723	724	725	725	725	727	729	732	733	732	726	722	718	716	714	716	719	718	719	719	720	720	723	0	10 50	734	16 10	714	20
30				721	721	722	724	724	724	721	717	714	717	720	718	716	713	710	716	715	717	718	718	719	720	720	720	719	1	4 50	724	14 00	708	16
31	✓	✓		722	722	722	724	725	725	722	724	726	730	735	737	732	723	715	714	714	717	719	719	720	720	720	721	723	0	11 40	738	14 45	713	25
MEANS ALL DAYS				722	724	724	725	726	726	725	729	732	734	734	732	730	726	721	718	716	716	718	720	721	721	721	721	724						27
MEANS TEN DAYS ✻				723	724	725	726	726	726	725	727	730	733	734	733	729	726	722	719	716	717	720	722	722	722	723	722	725						23
MEANS FIVE DAYS † (G. M. T.)				723	724	725	726	726	726	724	727	729	732	733	731	726	724	719	717	715	716	719 719	721 722	722	722	723	723	724						
MEANS FIVE DAYS ‡ (G. M. T.)				724	726	727	728	729	729	729	736	742	743	742	741	737	731	723	714	712	713	717	720	721	721	722	722	727						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 277

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1928 APRIL 1928

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	721	723	723	725	725	724	724	727	729	731	735	735	732	730	718	717	717	721	717	718	719	720	719	719	724	1	11 20	736	15 20	714	22
2				720	720	723	723	724	724	725	731	739	746	754	758	756	750	742	727	717	715	714	715	718	719	719	720	729	1	11 30	758	18 20	713	45
3				722	723	723	724	723	724	720	718	719	721	721	720	713	713	710	713	713	715	717	717	719	719	720	720	719	1	3 40	724	14 50	709	15
4				721	722	724	723	724	725	727	729	731	731	725	716	711	705	697	702	708	715	716	716	716	718	717	719	718	1	9 15	733	14 28	696	37
5				721	723	722	723	724	724	725	729	730	727	720	713	706	695	694	699	704	713	718	717	718	718	718	718	717	0	8 14	731	13 50	692	39
6				721	721	721	722	723	725	729	730	724	713	709	707	706	706	702	701	708	714	717	716	718	720	719	718	716	1	7 14	731	15 07	700	31
7			✓	725	724	725	723	725	727	728	730	726	722	717	710	706	714	709	709	711	713	720	715	714	717	719	719	719	1	6 00	730	12 15	702	28
8				719	721	722	723	723	724	727	728	724	716	714	715	720	722	714	711	711	716	718	718	718	722	722	722	720	1	7 00	729	15 17	710	19
9				722	724	726	726	727	728	730	732	730	729	734	730	719	713	707	706	708	715	719	719	721	722	723	723	722	0	10 26	734	15 33	706	28
10			✓	724	723	723	725	727	726	729	736	736	742	738	732	727	724	719	712	716	722	721	720	721	720	720	720	725	1	9 30	743	15 25	711	32
11	✓			722	723	725	725	726	728	727	729	726	723	723	717	710	705	703	704	710	717	720	720	718	719	718	718	719	0	7 35	729	14 00	703	26
12	✓	✓		721	722	723	724	725	726	726	727	728	729	724	717	714	708	703	700	703	711	715	717	719	721	719	719	718	0	9 21	730	15 30	699	31
13	✓	✓		720	723	725	725	727	727	728	730	733	733	733	734	732	725	716	710	713	718	719	720	722	722	721	721	724	0	8 36	735	15 50	710	25
14	✓			724	724	724	726	728	728	726	722	724	726	725	727	729	729	723	714	714	719	720	720	720	720	721	722	723	0	5 10	730	15 40	713	17
15				723	724	724	724	725	727	726	723	719	713	712	713	710	707	706	709	715	721	719	718	721	721	723	723	719	1	5 40	727	13 25	706	21
16				723	724	724	725	725	726	726	725	725	724	(721)	718	707	706	706	707	710	714	715	719	721	720	720	720	719	1	5 55	726	12 41	705	21
17				721	722	723	724	724	724	723	724	727	733	730	727	726	723	726	724	724	727	727	727	728	729	729	729	726	1	9 05	735	13 10	721	14
18	✓			731	732	732	733	733	732	731	729	730	726	721	720	719	722	723	722	722	726	726	726	728	729	728	729	727	0	4 06	734	11 44	718	16
19				730	732	732	732	733	734	730	728	726	718	711	709	706	711	715	716	722	724	725	725	725	730	723	724	723	0	5 58	734	12 20	705	29
20			✓	730	731	734	734	734	735	735	734	735	735	729	(725)	717	715	721	724	728	730	728	728	729	729	730	731	729	1	6 20	736	[12 44	715	.21]
21			✓	732	732	734	734	735	735	737	740	740	730	725	723	725	722	729	733	734	(732	731)	729	730	732	731	730	731	1	7 20	741	13 15	721	20
22				732	735	736	736	737	738	741	745	742	728	721	713	710	705	706	713	722	728	728	728	728	729	728	729	727	0	7 28	746	13 35	706	40
23				730	730	732	734	734	735	739	743	739	733	724	718	711	709	709	714	718	725	726	727	729	732	730	730	727	0	7 20	743	13 00	709	34
24	✓			731	732	732	733	735	735	736	737	735	734	736	738	732	726	720	721	724	729	728	727	729	729	732	730	731	0	11 05	739	14 30	719	20
25	✓	✓		730	730	731	733	735	735	736	742	743	742	739	736	729	730	730	724	720	724	726	728	729	730	730	729	732	0	8 10	744	16 00	720	24
26				730	731	733	734	734	735	735	737	742	743	748	743	736	728	719	710	713	720	726	727	729	730	730	731	731	0	10 25	748	15 29	709	39
27				732	731	733	733	733	734	734	739	741	740	739	736	726	722	722	724	726	729	726	728	730	731	730	730	731	0	7 56	741	13 40	721	20
28	✓	✓		732	732	733	732	734	735	735	734	734	733	734	733	734	738	737	732	730	728	726	726	729	731	732	731	732	0	5 56	735	18 30	725	10
29	✓	✓		733	733	733	733	734	734	731	729	733	740	743	735	730	727	730	730	726	730	728	729	732	734	733	732	732	0	10 30	743	16 08	725	18
30	✓			735	735	735	735	737	736	733	729	724	723	726	725	721	724	726	725	726	727	726	728	731	733	733	733	729	0	5 42	737	12 30	721	16
31																																		
MEANS ALL DAYS				726	727	728	728	729	730	730	731	731	729	728	725	721	718	716	715	717	721	722	722	724	725	725	725	725						25
MEANS TEN DAYS ✻				728	729	729	730	731	732	731	731	731	731	730	728	725	723	721	718	719	723	723	724	726	727	727	726	727						20
MEANS FIVE DAYS † (G. M. T.)				727	728	729	729	731	731	731	732	734	735	735	731	728	726	723	719	718	722	723 723	724 724	725	726	726	726	728						
MEANS FIVE DAYS ‡ (G. M. T.)				726	727	728	728	729	729	731	733	733	732	729	725	721	721	719	719	721	724	723	721	723	724	723	723	726						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 278

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1928 — MAY 1928

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		734	735	735	735	736	736	733	727	721	721	726	732	741	742	746	746	736	731	730	729	731	733	732	734	733	0	15 10	748	9 20	719	29
2	✓	✓		734	735	736	736	736	736	731	725	719	718	724	734	742	740	737	736	733	733	731	729	732	733	732	732	732	0	12 56	744	9 57	716	28
3	✓	✓		735	735	735	736	737	738	736	731	730	728	723	720	723	726	729	729	733	731	729	730	732	733	732	734	731	0	5 34	738	11 33	720	18
4	✓			734	735	735	737	737	737	734	731	727	716	711	716	715	723	726	726	726	730	730	730	732	734	730	729	728	0	4 35	738	10 00	709	29
5				730	734	738	736	736	737	739	742	736	734	736	730	722	724	732	729	728	730	730	731	733	735	733	733	733	1	7 44	743	12 35	719	24
6				735	735	735	736	737	738	742	747	746	740	731	723	718	720	727	726	720	724	726	728	731	732	731	732	732	0	7 15	749	12 15	718	31
7				733	734	735	735	737	737	738	738	735	736	739	736	731	729	722	716	717	726	730	731	731	730	730	732	732	0	6 47	740	15 47	714	26
8				735	734	732	734	737	737	738	738	733	728	722	715	719	725	721	719	721	726	728	728	731	732	732	733	729	1	6 50	739	11 19	714	25
9	✓			734	734	735	735	736	737	737	736	730	726	722	720	720	726	725	724	725	730	728	730	732	733	731	732	730	0	5 50	737	12 20	718	19
10			✓	734	735	735	736	737	737	739	740	730	728	728	722	722	733	735	726	723	726	728	734	737	733	733	734	732	1	7 24	742	11 30	720	22
11				735	735	734	737	737	740	741	739	735	734	733	735	733	732	729	727	724	726	731	731	732	736	737	734	734	1	6 02	742	16 27	722	20
12			✓	735	736	738	739	743	740	740	737	727	721	720	717	720	719	719	712	710	722	726	726	730	733	732	730	728	1	4 30	744	16 05	708	36
13				730	734	737	735	738	739	738	734	732	728	721	719	721	728	731	727	727	729	730	731	733	734	734	734	731	1	5 10	740	11 45	719	21
14				736	737	737	738	737	738	738	736	733	729	723	722	725	730	726	723	724	727	727	728	734	736	735	736	731	0	6 10	740	11 10	719	21
15				736	736	735	737	737	737	739	744	742	738	734	736	737	732	729	729	725	726	729	734	734	736	736	736	735	1	7 22	745	16 50	724	21
16				737	737	738	738	738	738	738	736	735	732	728	(725)	725	726	721	716	726	730	731	731	733	732	736	737	732	1	6 34	740	15 07	714	26
17				738	738	738	738	739	738	739	735	734	737	738	741	735	730	729	728	727	729	730	731	733	735	733	733	734	1	11 43	742	16 30	726	16
18				732	735	739	739	739	740	743	738	731	728	729	733	735	727	729	735	731	732	731	732	735	735	735	736	734	1	6 30	744	13 51	723	21
19				737	737	737	737	738	738	740	741	738	738	736	734	730	728	724	721	725	731	733	735	736	737	737	737	734	0	6 48	742	14 55	721	21
20	✓			738	738	738	738	739	739	741	743	739	734	731	731	729	730	733	735	730	731	732	734	735	736	736	736	735	0	7 18	744	13 20	723	21
21	✓			735	737	737	737	738	738	738	736	734	726	724	726	729	733	737	734	732	735	734	735	734	735	735	735	734	0	5 50	738	10 20	723	15
22	✓	✓		735	736	737	738	737	739	740	739	735	728	727	726	729	734	736	737	734	731	731	732	734	735	735	735	734	0	6 37	740	11 10	725	15
23	✓			735	736	736	737	738	738	738	734	730	729	726	723	723	726	731	734	732	734	733	734	735	734	734	734	733	0	6 06	739	11 05	723	16
24				735	736	738	737	739	739	739	735	733	730	727	723	722	722	729	726	723	727	729	731	733	735	735	736	732	0	5 40	740	12 20	721	19
25				736	737	736	738	738	739	740	738	736	740	742	739	742	743	742	735	730	732	733	735	736	738	738	738	738	0	13 30	744	16 55	729	15
26	✓	✓		738	741	740	739	740	741	741	737	737	741	740	729	728	731	725	725	722	729	732	733	734	736	737	737	735	0	10 05	743	16 30	721	22
27			✓	738	739	739	740	740	739	738	737	737	736	737	723	725	729	731	728	725	733	734	737	736	735	732	735	734	1	4 20	741	11 25	722	19
28			✓	739	732	734	739	742	744	747	748	735	723	716	718	718	718	716	722	726	736	736	737	738	738	744	739	733	2	7 04	751	13 12	714	37
29			✓	743	741	743	745	747	747	756	763	755	738	728	719	710	709	713	715	719	727	733	736	736	735	739	739	735	2	7 38	765	12 30	708	57
30				740	740	740	741	741	741	740	736	733	727	728	737	745	738	728	728	734	736	736	736	738	740	740	740	737	1	12 15	745	9 55	724	21
31				741	741	741	740	742	743	743	741	737	732	730	726	727	728	728	728	733	736	735	734	738	739	739	739	736	0	6 05	745	11 50	724	21
MEANS ALL DAYS				736	736	737	738	738	739	739	738	734	730	728	727	727	728	729	727	726	730	731	732	734	735	735	735	733						24
MEANS TEN DAYS ✻				735	736	736	737	737	738	737	734	730	727	725	726	728	731	732	733	730	732	731	732	733	734	733	734	733						21
MEANS FIVE DAYS † (G. M. T.)				735	736	737	737	737	738	736	732	728	727	728	728	733	735	735	735	732	731	731 731	731 731	733	734	734	734	733						
MEANS FIVE DAYS ‡ (G. M. T.)				738	737	738	740	742	741	744	745	737	729	726	720	719	722	723	721	721	729	731	734	734	736	736	735	732						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 279

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1928

JUNE 1928

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				738	741	743	743	741	744	746	745	737	736	738	743	747	742	740	737	735	737	735	736	737	740	741	742	740	0	12 10	748	16 28	734	14
2				742	742	742	743	744	745	746	746	741	740	739	738	736	739	735	730	727	732	733	736	737	737	737	738	739	1	7 13	747	16 10	726	21
3				739	740	739	739	740	742	746	752	749	744	744	743	742	744	734	725	725	731	733	736	738	739	739	739	739	0	7 25	753	15 55	722	31
4				739	739	741	742	743	743	744	744	739	733	732	736	739	736	735	733	733	736	734	736	737	738	735	737	738	1	7 35	745	10 20	729	16
5				738	740	740	741	745	744	746	743	738	735	732	733	734	732	727	723	724	729	735	736	738	740	740	741	736	1	4 23	748	15 27	722	26
6				740	741	741	743	744	743	745	746	746	742	739	740	739	738	729	723	724	733	736	736	738	739	739	740	738	0	7 10	747	15 05	723	24
7			✓	740	739	740	742	742	742	744	751	748	737	734	736	739	740	734	728	732	739	737	739	740	738	740	741	739	1	8 04	755	14 50	727	28
8				742	741	741	744	744	745	745	753	756	755	746	745	738	731	723	718	722	730	733	737	741	740	741	741	740	1	8 05	757	15 29	718	39
9				741	741	740	743	742	742	743	745	746	747	749	748	746	746	742	739	738	736	738	739	740	741	741	741	742	1	9 52	750	17 07	736	14
10	✓	✓		741	741	743	742	744	744	746	743	737	733	730	731	736	735	728	726	732	736	738	739	740	741	741	741	738	0	6 30	746	15 25	725	21
11	✓	✓		740	742	743	742	742	742	745	748	748	748	744	746	744	738	735	733	735	738	737	738	741	743	743	742	742	0	7 35	749	15 43	732	17
12			✓	742	739	742	744	744	747	743	743	746	744	742	742	739	736	734	734	732	736	738	741	742	742	743	744	741	1	5 55	748	15 50	731	17
13			✓	743	745	744	746	745	747	744	747	741	736	733	735	738	731	731	732	736	739	739	741	740	739	742	743	740	1	7 40	749	13 55	728	21
14				742	743	742	744	744	745	747	745	737	730	729	732	735	732	727	730	731	736	738	740	741	742	741	741	738	1	6 35	748	14 37	725	23
15				742	742	743	743	742	744	746	746	739	736	(725	725)	733	730	726	727	728	735	739	740	742	743	744	742	738	0	6 14	747	[10 52	724	23]
16	✓	✓		743	744	745	745	745	746	748	749	746	747	748	747	747	749	745	743	742	742	740	742	743	742	742	742	745	0	7 10	750	18 30	740	10
17	✓	✓		743	746	746	745	746	746	747	740	731	729	730	731	730	736	734	728	728	737	740	741	742	743	743	743	739	0	6 20	748	15 21	726	22
18	✓			742	744	745	746	745	745	746	746	743	741	739	737	740	742	732	733	740	740	741	741	742	744	744	744	742	0	6 40	747	15 04	729	18
19	✓			744	745	745	745	746	745	748	749	747	743	746	751	757	749	746	737	735	737	740	742	745	746	744	744	745	0	12 30	758	16 40	735	23
20				745	745	745	746	746	748	750	756	750	744	741	738	740	737	730	725	726	736	740	744	744	743	743	744	742	0	7 28	757	15 50	724	33
21	✓			743	744	746	747	747	746	749	758	762	764	757	751	748	744	733	727	726	732	737	739	741	744	744	744	745	0	9 16	766	16 25	725	41
22			✓	744	745	744	746	743	746	747	748	751	742	736	741	745	740	730	727	729	737	741	743	743	746	746	746	742	1	8 48	754	15 35	726	28
23			✓	746	746	746	747	747	747	750	749	742	738	736	739	739	737	727	724	732	739	740	742	744	747	746	744	741	1	6 59	752	15 10	723	29
24				747	747	745	747	746	748	750	751	746	738	737	742	745	741	734	732	734	737	740	741	746	743	744	744	743	1	7 06	754	15 03	731	23
25				745	747	746	744	745	747	750	750	746	743	739	744	752	751	736	732	731	738	740	741	743	744	745	745	744	0	13 03	755	15 43	730	25
26	✓			745	745	746	747	748	747	747	747	747	743	736	737	742	742	740	739	738	740	740	743	744	744	745	745	743	0	4 35	748	10 46	732	16
27	✓	✓		744	745	746	746	746	746	746	738	731	730	735	738	739	742	742	739	736	739	741	743	744	746	747	746	741	0	22 25	747	9 40	730	17
28				747	747	747	746	747	748	749	747	746	738	736	738	737	733	738	740	742	741	740	742	745	746	746	745	743	0	6 20	750	13 20	732	18
29				745	746	747	748	747	748	749	754	750	750	746	740	737	736	739	735	734	741	741	743	745	746	745	745	744	0	7 30	754	16 30	732	22
30	✓			746	747	747	748	748	749	750	751	744	736	731	729	729	728	733	731	730	739	741	742	743	744	746	745	741	0	6 19	751	13 05	726	25
31																																		
MEANS ALL DAYS				743	743	744	744	745	745	747	748	744	741	738	739	740	739	734	731	732	737	738	740	742	742	743	743	741						23
MEANS TEN DAYS ✱				743	744	745	745	746	746	747	747	744	741	740	740	741	740	737	734	734	738	740	741	742	744	744	744	742						21
MEANS FIVE DAYS † (G. M. T.)				742	744	745	744	745	745	746	744	739	737	737	739	739	740	737	734	735	738	739 739	741 741	742	742	743	742	741						
MEANS FIVE DAYS ‡ (G. M. T.)				743	743	743	745	744	746	746	748	746	739	736	739	740	737	731	729	732	738	739	739	741	743	743	743	741						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 280

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JULY 1928 — JULY 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			746	745	746	747	747	747	749	748	744	739	737	737	734	733	732	728	728	737	741	741	743	745	745	747	741	0	6 00	749	15 45	728	21
2			✓	747	747	747	750	752	752	753	754	752	745	749	747	739	738	735	734	736	740	742	744	745	745	744	744	745	1	7 10	757	14 48	731	26
3				744	744	745	746	747	746	750	755	753	751	742	744	746	744	738	742	743	746	746	746	747	747	749	748	746	1	7 47	756	14 15	737	19
4				747	747	748	747	748	748	749	750	744	738	730	725	734	734	732	733	736	743	743	747	750	751	751	752	743	0	23 25	753	11 15	723	30
5				748	750	751	752	751	752	755	757	753	746	740	744	745	745	738	739	739	743	745	(744)	745	745	746	745	747	1	7 20	758	14 24	736	22
6				747	748	748	749	750	751	753	753	748	746	742	738	741	738	735	742	744	745	744	746	747	747	747	748	746	1	7 00	755	13 56	734	21
7			✓	749	749	748	748	749	752	752	755	752	752	748	744	741	741	738	740	741	745	750	747	725	748	748	727	745	2	22 46	760	23 32	697	63
8				746	729	751	751	768	774	778	789	791	776	770	755	741	733	736	734	739	743	746	747	748	747	748	749	754	2	8 25	792	1 35	715	77
9			✓	746	749	749	751	751	753	757	756	748	740	735	735	730	730	732	734	735	742	746	747	748	749	749	749	744	1	6 30	759	13 00	728	31
10				748	748	750	749	750	750	753	759	757	747	745	745	743	735	719	715	723	738	742	743	745	746	746	746	743	1	7 30	761	15 03	714	47
11				747	746	745	747	747	748	752	756	754	751	748	741	740	734	732	730	732	735	741	741	744	745	746	745	744	1	7 20	758	15 30	729	29
12				746	746	746	747	747	749	749	743	733	727	729	731	738	737	734	730	731	739	742	741	743	744	745	745	740	0	6 25	751	9 40	725	26
13	✓	✓		745	747	746	747	747	747	747	746	746	745	744	745	747	752	744	734	731	737	741	742	743	745	744	745	744	0	13 40	753	16 30	730	23
14	✓			745	743	745	746	746	746	746	741	737	741	752	753	748	743	738	735	736	738	740	741	743	744	746	746	743	1	10 58	754	15 55	734	20
15	✓	✓		745	746	746	746	747	747	748	750	748	749	754	752	751	739	736	741	735	735	737	739	740	742	741	742	744	0	10 40	755	14 08	732	23
16	✓	✓		744	745	745	746	748	748	751	749	746	742	742	748	751	755	762	754	746	745	744	743	743	744	745	745	747	0	14 45	764	9 55	739	25
17	✓	✓		745	748	747	748	747	747	749	748	744	748	752	(771)	773	761	747	746	749	748	748	750	751	753	754	754	751	0	[12 00	774]	8 30	744	[30]
18				754	754	755	755	756	758	759	758	755	757	759	762	763	760	763	759	749	746	746	749	754	754	754	754	756	1	11 57	764	17 17	744	20
19	✓			755	753	754	755	756	756	759	763	765	762	757	745	742	738	738	750	753	750	748	748	750	751	752	753	752	0	8 18	768	13 55	735	33
20	✓	✓		752	754	755	757	758	758	757	762	7.0	776	783	780	753	733	739	740	737	739	745	748	749	750	752	752	754	0	11 00	786	13 20	730	56
21				751	752	753	752	754	756	759	759	754	748	749	744	726	711	718	732	742	743	743	743	742	744	745	748	744	1	6 41	760	13 20	708	52
22			✓	747	743	747	750	755	753	757	768	773	771	765	764	750	730	717	715	726	742	743	745	744	746	748	750	748	1	8 20	773	15 05	714	59
23				750	750	750	752	752	754	757	764	762	759	764	771	760	739	734	737	736	739	742	743	746	746	747	748	750	0	11 25	772	14 40	731	41
24				748	748	751	752	752	754	754	757	760	753	744	741	727	718	710	717	730	742	745	746	748	748	749	748	743	0	8 20	762	14 10	710	52
25				749	750	749	751	751	752	753	752	748	745	752	768	758	746	736	736	733	738	742	745	745	747	748	745	747	0	11 44	773	16 20	733	40
26				747	745	746	749	751	751	753	762	764	762	763	764	763	747	739	736	735	739	743	748	748	748	750	749	750	1	12 05	767	16 20	735	32
27				750	751	752	752	753	752	753	759	766	769	771	775	774	767	761	749	743	740	742	744	746	747	747	747	755	1	12 04	779	17 20	740	39
28				747	744	747	749	749	749	749	750	749	746	751	748	749	743	735	733	739	744	745	745	746	747	747	745	746	1	7 53	751	14 50	731	20
29	✓			746	748	749	750	750	751	753	751	745	742	745	753	759	754	747	741	736	739	740	743	744	745	746	746	747	1	12 20	760	16 30	736	24
30	✓			746	747	748	748	749	749	753	749	744	742	747	747	746	743	736	737	741	745	744	743	744	745	748	745	745	0	6 17	753	14 25	734	19
31			✓	749	750	750	751	749	750	749	747	744	741	740	741	745	749	748	739	739	740	743	[745]	△			△		1	[6 00	753]	11 15	738	[15]
MEANS ALL DAYS a)				748	747	749	750	751	752	754	755	753	750	750	751	747	741	737	736	737	741	744	745	745	747	748	747	747						a) 34
MEANS TEN DAYS ✲				747	748	748	749	750	750	751	751	749	749	751	753	750	745	742	741	739	741	743	744	745	746	747	748	747						27
MEANS FIVE DAYS † (G. M. T.)				746	748	748	749	749	749	750	751	751	752	755	759	755	748	746	743	740	741	742 743	742 744	744	745	746	746	748						
MEANS FIVE DAYS ‡ (G. M. T.)				748	748	748	750	751	752	754	756	754	750	747	746	741	738	734	732	735	742	745	744	745	746	747	747	746						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Thirty days only, omitting incomplete day July 31

TABLE 281

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1928 — AUGUST 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				Δ																		Δ	746	746	747	747	746							
2				747	749	749	750	750	752	749	747	741	739	740	740	737	746	753	753	750	744	742	741	741	742	743	743	745	0	15 20	755	12 20	735	20
3				745	746	747	748	748	748	748	749	750	750	749	744	734	736	746	752	751	748	746	742	743	745	746	747	746	0	15 50	753	12 59	731	22
4			✓	747	747	747	749	749	750	752	757	757	754	759	760	753	748	750	749	745	742	744	743	745	745	747	750	750	2	11 20	761	17 20	741	20
5			✓	747	742	747	752	754	757	757	760	757	748	747	748	750	742	743	746	750	750	749	746	752	753	751	750	750	2	7 06	761	13 37	741	20
6				751	751	751	753	755	756	755	758	761	761	755	750	742	737	731	730	735	741	745	746	747	744	749	748	748	1	8 28	762	14 50	728	34
7			✓	748	749	750	750	751	754	758	762	756	755	752	755	754	750	745	748	752	752	748	747	747	748	749	748	751	1	7 15	764	14 20	744	20
8				749	750	750	752	753	754	754	754	753	747	741	739	741	742	739	731	735	742	745	744	746	748	750	749	746	0	7 10	755	15 40	730	25
9	✓			749	750	750	751	752	753	755	751	746	741	737	734	732	728	722	720	730	740	744	743	745	746	748	748	742	0	6 40	755	15 23	718	37
10	✓	✓		747	748	749	750	751	752	753	742	735	733	731	735	739	737	735	730	732	737	741	743	745	744	746	746	742	0	6 10	757	10 45	729	28
11				748	747	745	748	750	751	754	753	747	742	739	748	753	749	744	745	748	747	745	745	746	747	747	746	747	0	6 40	756	10 30	737	19
12				747	750	751	751	751	752	754	752	750	753	752	747	747	751	748	746	746	745	745	744	745	749	746	747	749	1	6 10	756	19 52	743	13
13				750	747	748	749	750	751	754	754	749	741	737	741	737	735	742	748	745	743	742	743	745	747	748	748	746	1	6 20	755	13 10	735	20
14	✓	✓		748	749	749	750	750	751	751	747	741	730	730	734	735	740	744	747	742	742	744	745	746	747	748	749	744	0	6 10	753	10 00	730	23
15		✓		750	751	750	750	753	753	752	747	745	740	738	(742)	745	748	752	751	750	749	747	748	750	751	750	751	748	0	6 10	755	[11 00	737	18]
16	✓			753	753	753	755	757	757	759	757	752	743	741	750	754	752	756	754	747	746	747	748	750	752	752	752	752	0	6 25	760	10 10	739	21
17				754	754	754	755	755	757	757	754	751	747	742	747	752	758	759	757	757	753	750	750	751	750	751	752	753	0	6 12	760	10 40	741	19
18				752	753	754	755	756	756	757	757	753	746	739	742	741	738	741	741	742	744	746	747	750	751	750	750	748	1	6 07	759	10 33	737	22
19	✓			750	751	753	753	754	753	753	753	752	752	751	750	748	746	744	740	740	744	747	749	749	750	750	751	749	0	6 06	755	15 00	740	15
20	✓	✓		752	753	754	754	755	755	757	760	760	759	755	753	752	745	744	743	742	745	747	747	748	750	750	749	751	0	7 30	761	15 50	741	20
21	✓			751	752	753	754	754	755	756	754	749	740	738	738	741	747	746	744	739	738	743	746	747	749	749	749	747	0	6 04	756	10 53	736	20
22	✓	✓		750	752	752	754	755	755	758	759	757	758	754	749	745	743	745	747	748	749	749	748	749	750	750	750	751	0	7 10	759	13 11	742	17
23				750	751	755	755	757	757	761	761	758	749	739	734	731	731	736	739	742	745	748	748	748	749	752	749	748	1	6 20	762	13 20	729	33
24				751	753	754	754	756	758	758	753	751	752	755	754	757	757	756	756	748	748	751	749	750	752	752	752	753	0	5 53	759	17 10	746	13
25				753	753	756	756	757	757	759	761	760	762	766	763	760	756	756	750	745	748	749	748	749	750	747	747	754	0	10 30	767	16 35	745	22
26			✓	747	748	749	753	759	757	757	750	744	735	732	733	740	740	745	742	742	746	748	748	748	746	744	746	746	2	6 00	760	10 04	730	30
27			✓	751	759	757	762	760	762	766	765	759	754	757	762	758	749	746	746	747	751	753	753	752	756	754	755	756	2	6 04	767	14 39	745	22
28				756	756	757	759	759	760	757	754	750	745	751	741	741	742	747	755	751	750	749	748	750	753	753	754	752	0	5 06	761	11 50	739	22
29				754	756	757	758	758	758	762	762	759	764	768	755	760	769	763	756	751	748	750	751	753	754	754	755	757	0	10 20	771	17 05	747	24
30	✓			757	757	758	759	758	759	759	752	745	736	737	743	746	746	745	747	745	748	751	751	752	753	752	754	750	0	5 58	761	10 00	735	26
31	✓			756	755	758	758	758	759	759	758	753	750	749	751	750	753	759	757	753	752	753	752	751	752	752	754	754	0	5 50	760	10 35	749	11
MEANS ALL DAYS a)				750	751	752	753	754	755	756	755	751	748	746	746	746	745	746	746	745	746	747	747	748	749	749	750	749						a) 22
MEANS TEN DAYS ✲				751	752	753	754	754	755	756	753	749	744	742	744	744	744	744	743	742	744	747	747	748	749	750	750	748						22
MEANS FIVE DAYS † (G. M. T.)				749	751	751	752	753	753	754	751	748	744	742	743	743	743	744	744	743	744	744 746	745 746	746	748	749	749	747						
MEANS FIVE DAYS ‡ (G. M. T.)				748	749	750	753	755	756	758	759	755	749	749	752	751	746	746	746	747	748	748	745	746	746	747	748	750						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day August 1

TABLE 282

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1928 — SEPTEMBER 1928

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				756	756	757	758	759	759	760	756	743	736	735	750	756	763	763	760	757	753	756	753	752	753	756	758	754	0	14 15	765	10 15	734	31
2				760	762	762	763	763	765	767	761	756	748	743	746	754	755	745	739	745	752	754	754	753	756	756	757	755	0	6 05	769	15 10	738	31
3			✓	757	759	759	759	763	762	761	760	756	746	735	734	732	736	745	744	746	749	753	751	752	752	753	754	751	1	4 30	764	11 39	730	34
4	✓			755	757	757	759	760	762	767	773	769	759	745	741	742	737	731	732	738	745	749	750	751	753	754	755	752	0	7 40	773	14 35	731	42
5				755	756	755	757	758	759	761	769	768	765	763	767	774	773	767	760	753	751	752	752	753	753	754	754	760	0	13 10	777	17 10	750	27
6	✓			755	757	758	759	760	761	762	765	765	766	774	769	762	753	745	746	743	744	749	750	752	754	754	755	757	0	10 20	775	16 45	741	34
7			✓	755	755	756	757	759	759	761	761	762	761	760	757	755	747	738	751	753	751	755	753	755	753	751	755	755	2	8 50	768	14 35	736	32
8			✓	757	757	758	763	758	758	762	765	764	765	764	760	754	745	740	737	742	745	748	752	755	751	755	758	755	2	7 03	765	15 04	734	31
9				758	760	759	759	759	759	760	761	758	754	745	745	744	740	740	740	743	745	748	750	750	752	755	755	752	1	7 05	762	13 18	739	23
10				755	755	756	756	756	757	760	764	763	757	755	758	757	755	751	744	744	746	751	751	753	754	755	754	754	1	7 40	765	15 54	742	23
11				755	754	755	755	757	759	763	771	767	761	760	759	759	758	754	756	752	752	752	752	752	753	754	753	757	1	7 20	772	16 40	751	21
12	✓	✓		755	755	759	759	759	761	762	761	758	754	751	751	755	752	748	749	746	747	751	752	753	753	754	754	754	0	5 58	763	16 50	745	18
13				755	756	757	757	758	758	754	747	742	737	737	742	758	756	747	740	744	748	752	753	752	752	752	751	750	1	5 40	759	10 36	735	24
14				751	756	758	759	759	760	758	756	752	751	746	750	750	742	740	742	748	749	750	752	752	753	754	756	752	1	4 58	761	13 53	738	23
15	✓			757	757	757	758	759	760	758	759	758	758	753	758	759	759	756	755	752	748	750	751	751	752	753	754	756	0	5 25	760	17 30	747	13
16	✓	✓		754	755	756	758	758	758	757	758	759	762	761	760	763	766	759	752	750	752	753	753	754	754	755	755	757	0	13 27	767	16 10	749	18
17	✓	✓		756	756	757	760	761	762	764	767	763	757	756	(756)	757	755	746	743	739	746	754	755	756	755	756	756	756	0	7 26	768	16 30	737	31
18			✓	757	760	761	762	762	762	759	756	760	761	765	764	765	769	763	755	746	745	750	758	758	756	755	754	758	2	13 30	770	17 10	743	27
19				757	759	761	761	764	765	767	766	761	755	748	742	742	734	730	735	738	744	753	755	756	756	755	756	752	2	7 07	769	14 14	729	40
20	✓			758	759	761	761	762	761	759	758	755	758	754	754	750	749	747	744	748	752	755	756	756	757	757	758	755	0	4 58	762	15 10	743	19
21	✓	✓		759	760	761	761	763	765	765	759	752	749	750	751	753	748	745	742	744	746	751	756	757	757	756	756	754	0	6 10	767	15 40	740	27
22				757	757	760	761	762	763	766	766	761	759	760	759	765	761	747	745	745	746	752	753	755	758	757	757	757	1	7 33	769	15 03	743	26
23				758	759	760	763	763	765	766	762	757	750	747	748	746	749	746	745	745	746	749	753	756	757	760	759	755	1	6 07	767	12 05	744	23
24				760	761	762	763	764	764	764	766	767	766	765	776	779	775	767	765	758	754	752	756	761	758	757	759	763	2	11 27	782	18 00	751	31
25			✓	759	761	762	763	766	765	764	766	763	754	757	759	759	751	747	744	746	747	751	753	756	757	757	759	757	2	7 43	769	14 53	744	25
26				762	761	762	761	761	762	760	758	759	761	764	765	761	751	744	739	741	745	751	754	756	755	756	758	756	1	10 40	766	15 30	738	28
27				757	758	762	765	763	762	760	759	754	751	751	750	752	754	749	745	745	749	755	756	756	756	756	756	755	1	3 40	765	15 15	744	21
28	✓	✓		756	759	759	760	761	761	758	759	756	753	754	752	758	762	759	752	750	751	754	756	756	756	757	757	756	1	4 55	762	16 45	749	13
29	✓			758	759	759	760	761	760	756	749	744	742	747	751	757	759	753	753	753	755	756	757	755	755	754	757	755	1	4 50	762	9 50	741	21
30				759	759	760	762	763	764	764	760	755	750	750	746	746	750	747	746	749	751	755	756	756	757	755	757	755	0	5 50	765	11 42	744	21
31																																		
MEANS ALL DAYS				757	758	759	760	761	761	761	761	758	755	753	754	755	753	749	747	747	748	752	753	754	755	755	756	755						26
MEANS TEN DAYS *				756	757	758	760	760	761	761	761	758	756	754	754	756	754	749	747	746	749	752	754	754	755	755	756	755						24
MEANS FIVE DAYS † (G. M. T.)				756	757	758	760	760	761	761	761	758	755	754	754	757	757	751	748	746	748	753 753	754 754	754	754	755	755	755						
MEANS FIVE DAYS ‡ (G. M. T.)				757	758	759	761	762	761	761	762	761	757	756	755	753	750	747	746	747	747	751	754	755	755	755	756	755						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 283

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1928 — OCTOBER 1928

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			757	758	760	762	763	763	763	763	762	762	764	760	764	766	764	761	760	757	758	759	758	756	756	759	761	1	14 00	769	17 30	756	13
2			✓	758	759	759	761	764	764	763	767	767	764	764	759	746	747	745	747	753	756	759	758	758	757	757	757	758	1	8 09	771	12 15	742	29
3				758	760	761	763	764	763	759	754	751	753	749	747	750	749	747	745	747	751	755	756	758	758	758	759	755	0	5 00	764	11 01	744	20
4	✓			761	760	761	763	765	769	775	775	766	757	757	745	740	741	739	737	741	747	754	756	757	756	753	754	755	0	6 55	778	14 50	736	42
5				756	760	760	761	764	765	765	768	773	772	770	765	756	748	740	737	740	745	757	757	756	755	757	758	758	0	8 00	775	15 50	736	39
6				758	758	760	761	762	762	763	769	764	768	766	757	746	735	732	732	739	746	753	755	753	754	757	756	754	0	7 41	771	14 50	731	40
7				757	758	759	762	767	764	770	780	778	769	766	760	752	748	738	740	741	746	753	756	756	757	757	758	758	0	7 50	783	14 37	737	46
8	✓			759	760	761	763	763	763	763	762	764	770	774	775	770	765	753	748	747	751	756	757	758	759	757	758	761	0	11 07	776	16 00	747	29
9	✓	✓		759	761	761	762	763	765	767	764	758	755	752	747	746	747	744	743	744	750	757	758	759	759	759	759	756	0	6 30	767	15 20	742	25
10	✓	✓		760	760	762	763	764	766	765	761	750	745	747	747	740	742	742	736	737	745	755	756	755	756	758	759	753	1	6 10	768	15 34	735	33
11	✓	✓		757	760	760	761	762	763	762	763	762	767	769	766	760	761	755	752	751	752	755	756	759	759	757	756	759	0	10 50	770	16 40	751	19
12	✓			757	760	761	763	765	765	763	763	764	764	765	760	758	756	752	749	748	750	755	758	759	759	758	758	759	0	5 07	766	16 05	747	19
13				759	761	763	765	766	767	766	766	763	759	763	764	755	750	747	739	743	750	756	758	757	758	760	760	758	1	5 00	767	15 15	738	29
14				759	761	761	762	764	764	767	775	778	782	780	773	771	770	764	752	753	754	756	759	759	759	759	759	764	0	9 45	783	15 30	751	32
15	✓			760	762	763	765	766	767	766	759	755	753	759	764	760	756	746	744	749	752	755	758	759	758	757	757	758	0	5 30	768	15 10	743	25
16				758	759	762	764	766	767	767	768	758	751	(743	740)	734	733	727	726	733	745	755	758	758	758	758	757	752	1	7 11	771	14 45	724	47
17				760	762	763	765	765	765	769	772	770	769	766	759	751	748	740	739	740	746	756	759	759	759	758	757	758	0	6 50	772	14 35	738	34
18				759	761	763	745	763	763	776	778	777	780	781	759	737	749	743	739	741	753	754	759	759	759	757	757	759	2	10 33	786	12 27	732	54
19			✓	758	760	762	764	766	767	772	776	(772)	768	767	761	754	754	749	741	742	745	753	758	758	758	757	757	759	2	7 15	780	15 35	741	39
20				759	760	763	765	765	766	763	760	756	756	751	749	745	742	736	732	737	746	753	755	757	758	758	758	754	0	5 30	767	15 42	730	37
21				759	760	761	763	765	766	766	765	762	766	771	769	764	762	754	748	748	745	754	757	757	757	759	759	760	1	10 10	772	17 10	745	27
22			✓	759	760	764	763	765	765	768	771	772	776	775	769	758	752	744	736	738	749	759	761	760	760	759	759	760	1	10 35	777	15 30	734	43
23		✓		760	763	764	763	766	767	764	762	760	762	762	760	756	752	748	740	744	752	759	760	761	760	760	760	759	0	5 34	769	15 34	739	30
24			✓	763	763	764	768	767	769	769	770	769	767	759	759	756	753	746	738	738	749	751	749	751	755	754	761	758	2	7 30	771	14 14	735	36
25			✓	761	762	760	761	763	759	759	762	766	775	782	778	766	754	747	743	751	759	762	761	759	758	758	758	761	2	10 18	782	15 00	743	39
26				759	760	761	761	765	764	762	763	761	757	753	754	756	754	749	742	747	752	757	758	758	758	758	759	757	2	5 22	767	15 30	737	30
27				759	757	757	761	764	765	772	778	779	782	781	771	759	754	750	744	746	749	758	759	758	755	757	757	761	1	10 05	783	15 40	742	41
28	✓	✓		757	761	763	765	767	763	762	765	772	773	769	765	760	762	765	759	756	754	759	761	761	759	759	757	762	0	9 20	775	17 05	753	22
29				758	760	763	765	768	765	761	762	759	755	750	753	754	753	755	754	758	755	760	761	763	760	761	762	759	0	4 55	768	10 30	748	20
30				763	764	766	766	769	770	768	767	769	769	768	765	767	768	759	750	750	756	761	763	760	762	762	763	764	0	5 10	770	16 05	747	23
31	✓			763	763	765	766	768	766	766	767	767	770	768	764	759	755	751	746	749	756	762	761	761	759	760	761	761	0	9 40	770	15 25	744	26
MEANS ALL DAYS				759	760	762	763	765	765	766	767	765	765	764	760	755	752	747	743	746	750	756	758	758	758	758	758	758						32
MEANS TEN DAYS ✱				759	760	762	763	765	765	765	764	762	762	762	759	756	755	751	748	748	751	757	758	759	758	757	758	759						25
MEANS FIVE DAYS (G. M. T.) †				759	761	762	763	764	765	764	763	760	760	760	757	752	753	751	746	746	751	757 757	758 758	758	758	758	758	758						
MEANS FIVE DAYS (G. M. T.) ‡				760	761	762	763	765	765	766	769	769	770	769	765	756	752	746	741	744	752	757	757	757	757	757	759	759						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 284

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1928 — NOVEMBER 1928

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				761	762	764	767	768	767	761	757	755	752	750	751	755	754	748	744	747	757	762	762	761	758	757	756	757	0	4	50	770	15	12	743	27
2			✓	757	757	761	768	769	767	767	770	767	774	779	780	764	751	742	737	745	753	759	759	762	761	762	761	761	1	11	10	783	15	00	737	46
3			✓	760	760	764	765	766	764	764	768	774	786	781	776	771	766	753	744	755	759	762	763	761	760	759	760	764	1	9	16	791	15	25	743	48
4				763	764	766	768	769	770	771	774	775	779	774	767	764	756	746	740	746	757	761	765	762	764	764	764	764	1	9	11	780	15	10	739	41
5	✓			763	762	764	766	767	765	764	770	774	776	779	779	777	766	757	749	747	754	763	765	765	766	765	763	765	0	11	04	780	16	20	746	34
6	✓			763	764	765	765	766	766	767	770	777	784	787	787	787	781	766	756	757	762	765	767	765	764	765	765	769	0	12	00	789	15	45	754	35
7				764	764	764	767	768	766	767	771	776	779	777	769	768	768	761	755	757	761	765	766	767	768	768	766	767	0	9	05	779	15	50	754	25
8	✓	✓		766	766	768	770	770	765	765	771	771	766	760	765	766	768	767	759	757	760	766	768	768	768	768	767	766	0	7	50	773	16	30	757	16
9	✓	✓		768	768	769	770	769	765	762	768	770	771	776	775	769	768	761	754	754	758	762	767	767	766	763	761	766	0	11	03	779	15	55	751	28
10				763	764	766	766	767	767	761	762	765	776	791	796	786	781	776	764	756	758	760	761	761	762	763	763	768	2	10	57	801	16	30	755	46
11				764	767	769	770	771	768	764	766	767	772	773	773	767	755	749	748	751	752	758	762	763	761	758	759	763	2	10	55	776	14	33	746	30
12				763	763	764	767	769	769	770	773	774	771	765	762	758	752	743	738	741	747	759	764	761	760	761	763	761	0	7	58	776	15	40	738	38
13			✓	764	765	767	767	770	772	767	772	772	764	761	759	753	747	748	749	746	751	764	766	765	766	767	768	762	1	5	16	774	13	45	741	33
14				767	767	767	767	768	767	764	766	767	769	762	760	753	747	740	735	738	749	755	760	760	764	763	760	759	0	5	16	770	15	32	734	36
15			✓	760	763	765	766	766	760	766	774	783	782	778	(775)	765	759	756	756	758	755	765	764	764	763	764	762	765	1	[11	03	788]	14	00	755	[33]
16				764	766	765	769	769	771	772	778	779	776	776	764	756	756	757	754	753	755	757	765	765	764	764	766	765	1	7	48	782	15	48	750	32
17			✓	767	767	766	768	771	771	768	768	772	771	763	765	764	765	766	766	766	765	764	766	767	767	766	764	767	2	5	09	773	10	30	759	14
18				764	766	767	768	770	769	758	757	756	756	757	760	755	754	747	745	754	757	763	765	765	764	765	765	760	0	5	18	774	15	05	742	32
19				764	765	767	769	770	768	766	767	771	772	767	761	758	760	755	750	753	759	763	766	766	766	766	766	764	0	9	15	773	15	32	749	24
20	✓			766	766	767	769	770	767	763	760	761	760	759	756	747	738	732	737	745	753	761	764	764	766	767	768	759	0	4	20	770	14	28	730	40
21	✓			767	766	766	767	768	766	766	772	779	781	778	776	769	757	747	749	753	761	763	766	766	768	767	766	766	0	9	01	782	14	21	745	37
22	✓	✓		767	768	769	770	769	768	769	773	777	773	772	771	764	754	748	748	753	760	765	766	766	765	764	763	765	0	8	42	779	15	04	746	33
23	✓			762	764	765	766	768	767	772	778	782	783	786	783	773	768	768	766	767	768	769	769	768	768	768	767	771	1	11	00	788	0	24	761	27
24				766	765	767	767	768	767	770	775	787	795	792	789	780	777	769	764	762	762	763	765	764	764	764	764	771	1	9	00	798	16	08	760	38
25				764	764	765	770	770	766	767	769	775	775	774	764	753	754	751	753	759	763	766	766	764	764	765	766	764	1	8	39	778	15	00	749	29
26				767	767	768	768	769	764	771	779	791	792	791	777	765	756	753	756	762	766	767	768	767	766	766	766	769	0	10	10	793	14	50	753	40
27				765	765	766	770	771	768	773	784	791	791	780	772	764	761	762	762	763	764	766	766	765	765	766	766	769	0	9	20	793	13	20	760	33
28	✓	✓		766	768	770	771	771	768	774	779	781	785	786	786	778	775	771	767	765	765	766	767	767	767	767	768	772	0	11	20	787	16	10	764	23
29	✓	✓		769	768	769	770	771	771	772	775	775	774	773	771	754	741	739	744	749	759	765	769	768	768	767	768	765	0	7	42	776	14	05	738	38
30				767	767	768	770	(769	770	770	771)	773	768	770	775	776	774	772	771	767	765	772	772	766	765	768	765	770	1	12	10	777	17	10	763	14
31																																				
MEANS ALL DAYS				764	765	766	768	769	767	767	771	774	775	774	771	765	760	755	752	754	758	763	765	765	765	765	764	765								32
MEANS TEN DAYS ✱				766	766	767	768	769	767	767	772	775	775	776	775	768	762	756	753	755	760	764	767	766	767	766	766	766								31
MEANS FIVE DAYS (G. M. T.) †				767	768	769	770	770	767	768	773	775	774	773	774	766	761	757	754	756	760	765 765	767 767	767	767	767	767	767								
MEANS FIVE DAYS (G. M. T.) ‡				762	762	765	767	768	767	766	770	774	775	772	771	763	758	753	750	754	757	763	762	762	761	761	761	764								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 285

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1928

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	764	763	766	768	769	774	779	785	787	776	769	765	760	762	759	755	756	759	766	770	769	768	767	766	768	0	8 00	788	15 35	755	33
2	✓			765	765	768	767	770	770	773	779	781	775	767	757	757	751	746	748	754	759	766	769	768	767	769	768	765	0	7 50	782	14 03	745	37
3	✓			769	769	770	770	771	770	767	770	776	776	784	780	776	767	756	754	755	761	768	772	773	773	772	772	770	0	10 30	786	15 20	753	33
4		✓		770	771	772	771	773	773	771	773	773	771	769	769	761	752	740	741	749	759	764	771	(773)	773	773	772	766	0	5 21	775	14 30	739	36
5			✓	773	772	771	770	772	771	773	780	780	780	779	774	761	767	772	764	758	761	762	768	769	767	765	766	770	1	7 56	783	12 53	756	27
6			✓	767	771	771	772	775	775	782	788	788	780	769	768	764	763	758	760	764	768	770	770	771	773	773	773	771	1	8 07	793	14 40	756	37
7				772	772	774	774	776	775	778	787	798	800	807	807	795	788	779	767	756	759	764	770	771	771	772	772	778	1	11 09	813	16 45	755	58
8				773	773	773	774	774	772	772	774	775	776	785	792	785	770	766	770	766	766	770	773	773	774	774	774	774	0	11 40	795	14 08	764	31
9	✓			774	774	774	776	777	774	773	777	784	794	803	800	785	775	769	763	758	759	765	772	774	776	776	776	776	0	10 55	805	16 55	757	48
10				775	774	773	774	776	776	778	789	792	790	789	785	773	765	762	760	758	761	769	773	774	775	775	775	775	0	7 48	793	15 55	757	36
11				774	773	774	776	776	775	780	787	792	793	795	794	785	772	769	767	762	764	770	772	773	771	774	770	777	1	10 43	796	16 27	761	35
12			✓	767	770	772	774	777	775	779	786	793	789	793	782	771	765	766	770	769	767	763	773	775	774	773	772	775	1	8 07	797	13 41	763	34
13			✓	770	771	772	773	776	775	775	780	782	779	784	784	769	758	758	761	759	762	770	776	776	775	774	774	772	1	11 05	789	13 40	756	33
14				773	773	774	776	778	775	780	790	786	773	765	755	748	750	757	762	762	765	767	775	773	773	772	771	770	0	7 45	792	12 10	747	45
15	✓			771	771	773	775	777	777	774	780	781	777	781	(770)	751	746	754	752	755	758	761	766	768	768	767	768	768	0	7 55	784	13 25	744	40
16	✓			767	769	770	772	771	772	771	772	769	767	771	759	746	749	758	766	766	763	765	769	769	769	769	769	766	0	5 13	775	12 40	744	31
17	✓	✓		768	768	769	770	772	773	773	779	777	773	775	776	774	766	754	758	758	761	767	771	772	772	771	770	769	0	7 51	780	14 30	753	27
18				770	770	771	772	773	776	775	780	785	783	786	789	786	780	773	767	764	763	765	768	769	770	770	771	774	0	11 48	791	17 24	762	29
19	✓	✓		772	772	773	773	774	775	778	786	789	790	784	772	754	752	755	760	755	757	766	771	771	772	771	770	770	0	9 46	791	12 53	750	41
20	✓	✓		769	770	770	771	771	772	774	778	773	768	765	755	746	742	746	754	758	763	766	769	769	769	768	767	765	0	7 20	779	13 10	741	38
21				767	767	768	770	771	769	770	778	779	778	778	768	762	769	779	779	776	771	772	△						1	14 50	782	12 57	761	21
22										△	768	769	768	766	760	753	751	751	753	756	759	764	769	770	771	770	769		1			12 50	750	
23		✓		768	768	768	769	771	770	772	776	778	777	□					□	744	752	759	765	767	769	770	769			7 55	779	15 45	742	37
24				767	767	767	769	771	769	773	783	784	785	796	792	775	783	788	788	777	772	768	770	770	771	770	768	776	1	11 07	800	1 40	766	34
25				766	767	768	770	772	769	770	771	771	773	779	771	767	758	755	757	764	767	770	771	770	766	768	768	768	1	10 32	782	13 42	754	28
26				770	770	770	771	771	769	773	776	777	773	774	773	770	782	773	765	765	763	766	769	771	771	771	770	771	1	13 30	785	16 54	762	23
27				770	770	771	772	774	769	770	775	780	784	786	775	769	755	753	764	772	770	766	770	769	770	771	771	771	0	10 20	788	13 50	750	38
28	✓			771	772	772	772	773	771	774	782	785	781	776	764	756	758	766	766	769	770	772	776	774	773	774	773	772	0	8 10	786	12 10	756	30
29				773	771	771	772	773	773	776	780	779	775	770	765	747	743	747	751	763	765	762	768	769	769	769	770	767	1	7 04	781	13 10	738	43
30				771	772	773	772	774	775	776	779	779	777	777	778	773	766	771	776	779	770	764	767	770	770	772	773	773	1	16 39	781	13 12	765	16
31	✓			774	772	774	775	777	776	775	776	779	781	779	769	759	759	763	763	764	765	765	771	772	773	774	775	771	0	10 03	783	12 50	757	26
MEANS ALL DAYS a)				770	770	771	772	774	773	775	780	782	780	781	776	767	762	761	762	762	763	766	771	771	771	771	771	771						35 a)
MEANS TEN DAYS ✲				770	770	771	772	773	773	773	778	779	778	778	770	760	756	757	758	759	762	766	771	771	771	771	771	769						35
MEANS FOUR DAYS † (G. M. T.) b)				770	770	771	771	772	773	774	779	778	776	773	768	759	753	749	753	755	760	766 766	770 770	770	771	770	770	768						
MEANS FIVE DAYS ‡ (G. M. T.)				768	769	770	771	774	774	778	784	786	781	779	775	765	763	763	762	761	763	766	771	771	770	771	769	771						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

a) Twenty-eight days only, omitting incomplete days December 21, 22 and 23

b) Omitting incomplete Greenwich day December 23

TABLE 286

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1929

JANUARY 1929

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		432	431	429	428	427	426	420	433	454	473	485	489	481	470	459	444	428	421	420	429	433	433	432	430	442	0	11 39	494	18 30	417	77
2	✓			427	425	421	421	421	417	406	425	455	475	479	483	474	460	447	441	434	431	426	431	433	431	431	430	438	0	11 21	487	6 30	404	83
3				428	426	428	425	425	426	416	430	444	454	468	479	487	474	449	433	430	418	420	427	432	433	434	435	438	1	12 23	495	6 30	414	81
4				434	433	428	426	425	425	416	423	434	451	465	470	450	435	435	435	441	442	430	430	431	431	428	422	435	1	11 30	475	6 30	415	60
5			✓	420	421	418	419	420	425	421	434	453	469	479	484	486	481	480	463	436	429	427	435	436	432	429	428	443	1	14 06	497	0 35	415	82
6				430	435	435	427	425	425	422	426	431	445	451	464	450	421	413	421	431	434	427	431	433	433	431	429	432	0	11 40	471	14 30	411	60
7				426	425	426	425	425	424	420	436	445	454	463	454	437	409	395	399	411	426	431	Δ						1	10 45	465	[14 30	391	74]
8			✓															Δ	426	440	448	450	445	459	448	446	445							
9			✓	440	433	433	429	427	420	413	426	428	437	452	460	444	437	434	431	427	432	443	445	450	446	445	440	436	1	11 42	469	6 08	408	61
10			✓	437	435	430	430	434	426	427	451	470	492	505	508	485	456	449	439	439	439	437	437	445	440	440	442	450	1	11 23	515	6 04	422	93
11				438	426	430	427	428	422	410	421	440	456	480	484	450	420	415	419	416	424	428	433	432	432	435	433	433	0	11 14	494	6 30	407	87
12	✓			429	423	419	418	422	419	409	415	435	455	469	473	463	457	445	431	423	425	424	430	431	430	428	430	433	0	11 23	479	6 25	406	73
13				430	427	427	425	426	426	414	420	440	468	489	473	444	423	420	404	404	415	421	431	430	433	433	431	431	0	10 26	495	16 10	395	100
14			✓	429	424	417	419	420	414	400	416	441	474	462	447	448	440	454	454	445	440	435	437	438	439	436	432	436	1	9 25	482	6 23	396	86
15				425	422	419	420	424	417	399	412	434	450	(470	486)	475	443	427	420	424	435	430	430	433	433	430	430	433	0	[11 35	491]	6 30	394	[97]
16				429	423	420	421	421	418	410	425	437	448	470	479	465	461	462	450	434	426	425	427	431	432	432	430	436	0	11 37	485	6 30	406	79
17	✓	✓		429	425	425	423	424	424	415	428	445	453	462	477	453	439	439	431	431	434	434	431	432	432	430	426	435	0	11 24	481	6 30	415	66
18	✓	✓		423	423	421	419	420	420	410	423	446	460	466	473	472	460	454	444	425	420	417	421	426	428	428	425	434	0	12 20	475	6 30	408	67
19	✓	✓		424	423	421	421	422	419	402	402	420	435	447	448	438	429	441	442	433	432	430	426	431	431	430	425	428	0	11 36	454	7 14	396	58
20				420	416	415	416	420	421	419	426	438	453	469	481	480	477	472	445	432	425	427	432	436	435	430	429	438	1	12 00	485	2 50	415	70
21				427	425	424	425	425	424	410	415	427	439	459	479	473	470	464	456	446	439	428	427	430	430	431	430	438	1	11 46	483	7 00	406	77
22				427	427	423	424	425	424	413	422	439	463	489	501	511	511	493	457	434	422	419	425	432	433	430	429	445	1	12 35	515	6 35	410	105
23		✓		427	425	425	427	427	426	411	414	422	435	457	461	455	455	465	460	451	436	429	430	429	429	427	427	435	0	14 32	468	6 50	408	60
24	✓			425	424	421	420	423	422	410	411	417	420	432	439	440	445	443	432	414	410	417	425	427	427	426	425	425	0	13 10	449	6 55	407	42
25	✓			424	423	421	421	422	420	408	415	420	428	440	446	443	442	440	430	421	425	426	428	429	429	428	427	427	0	11 30	451	6 44	405	46
26				425	422	419	421	421	420	410	420	435	450	461	460	462	470	472	450	430	421	419	425	429	429	429	427	434	0	13 54	485	6 26	408	77
27				425	424	423	423	422	419	400	411	427	450	470	485	475	475	481	469	450	434	422	423	425	428	430	426	438	0	11 41	489	6 35	397	92
28	✓			425	424	420	420	424	427	421	430	447	455	463	471	467	454	445	445	430	416	415	423	425	425	426	426	434	0	11 20	475	17 45	414	61
29				424	424	425	425	427	425	413	419	429	432	460	467	465	469	472	456	433	428	424	433	432	431	430	428	436	0	14 17	475	6 30	410	65
30	✓			425	420	421	424	425	425	419	421	432	436	449	463	464	470	470	459	439	429	422	424	429	429	423	425	435	0	13 41	474	6 40	415	59
31				424	425	427	425	430	432	424	423	439	452	465	466	469	473	475	468	440	425	420	422	427	430	432	432	439	0	14 58	477	7 00	418	59
MEANS ALL DAYS a)				428	425	424	423	424	423	413	422	437	452	466	472	464	456	452	442	432	428	426	429	432	432	431	429	436						73 a)
MEANS TEN DAYS ✱				426	424	422	422	423	422	412	420	437	449	459	466	460	453	448	440	428	424	423	427	430	430	429	427	433						65
MEANS FIVE DAYS † (G. M. T.)				427	425	424	424	424	423	412	420	437	451	463	470	460	451	452	444	434	429	424 426	427 427	431	432	431	429	435						
MEANS FOUR DAYS b) ‡ (G. M. T.)				432	428	424	424	425	421	415	432	448	468	474	475	466	454	454	447	437	435	436	438	442	440	438	434	441						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL DUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days January 7 and 8

b) Omitting incomplete Greenwich day January 8

TABLE 287

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1929

FEBRUARY 1929

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			430	424	422	419	423	427	414	419	430	444	456	471	485	475	459	447	438	433	427	428	431	430	429	429	437	1	12	40 487	6	40 410	77
2	✓			427	423	419	419	420	424	425	436	456	477	476	468	464	466	461	450	435	424	420	422	425	426	428	425	438	0	9	43 484	2	30 415	69
3	✓	✓		423	423	420	419	425	426	417	420	435	454	463	469	481	492	484	465	443	424	415	420	423	423	424	422	438	0	13	40 495	18	30 412	83
4	✓	✓		421	420	420	419	419	418	406	409	421	428	434	434	440	450	452	437	425	418	417	418	425	427	426	424	425	0	14	10 456	6	54 402	54
5	✓	✓		424	423	420	419	418	418	409	414	427	439	457	464	465	465	454	436	427	423	415	416	423	425	426	426	431	0	12	58 468	6	40 405	63
6				425	421	420	422	420	417	397	394	407	425	445	445	455	462	460	459	445	437	436	438	437	430	435	431	432	1	13	58 470	7	00 390	80
7				424	425	418	416	420	421	411	413	425	436	440	441	433	427	435	450	443	426	426	430	430	430	428	428	428	0	15	56 455	6	44 408	47
8				425	421	419	419	421	421	410	410	421	430	449	454	454	437	435	432	434	436	430	434	436	436	430	427	430	1	12	50 459	6	57 405	54
9			✓	425	423	420	417	415	419	410	414	427	446	469	489	491	476	462	455	450	439	430	431	432	431	429	422	438	1	11	52 499	6	41 405	94
10				420	417	415	414	415	420	410	418	431	445	457	453	455	452	452	444	434	427	423	426	427	428	426	424	431	1	10	45 465	6	37 405	60
11				420	421	419	417	418	422	411	416	434	454	456	466	459	454	457	456	444	433	426	426	430	427	427	423	434	0	11	41 474	6	53 405	69
12	✓			423	422	420	421	425	427	419	422	433	441	443	443	444	447	444	429	420	419	420	425	429	429	425	422	429	0	13	15 452	6	45 414	38
13	✓			420	420	419	417	419	424	414	420	435	451	465	469	467	465	459	450	437	431	425	425	426	425	423	422	434	0	11	01 472	6	40 412	60
14	✓	✓		420	419	418	419	421	423	413	412	421	431	439	436	434	428	424	423	415	411	415	422	426	425	425	423	423	0	10	50 440	6	50 410	30
15	✓	✓		420	419	415	417	419	419	405	408	428	445	463	475	476	468	457	441	430	423	423	426	427	427	426	424	433	0	11	50 479	6	45 400	79
16				423	420	417	416	414	414	413	418	430	439	452	(451)	450	449	444	434	426	424	425	425	433	431	429	435	430	1	[11	17 460]	5	30 411	[49]
17			✓	425	425	423	425	431	425	406	410	411	433	443	443	465	450	445	444	436	436	435	444	446	450	450	446	435	2	12	00 475	11	04 393	82
18			✓	445	440	434	427	426	426	423	444	473	492	497	500	497	489	480	465	444	428	421	431	434	435	436	432	451	1	11	31 501	18	50 417	84
19				428	425	426	426	429	428	421	430	436	445	451	444	451	447	(441	435	430)	424	426	430	435	436	432	427	433	1	12	37 456	[16	42 417	39]
20				425	423	423	423	424	421	407	407	421	435	446	449	446	446	449	440	439	427	424	431	431	430	428	425	430	1	11	30 454	6	45 404	50
21				420	421	420	426	427	427	423	425	435	454	463	466	460	448	446	441	426	414	417	424	430	433	433	429	434	0	11	53 473	18	00 409	64
22				426	426	424	425	425	422	410	415	433	457	486	495	475	454	449	440	433	427	424	430	434	431	433	430	438	1	11	35 507	6	40 405	102
23				426	421	421	424	426	423	409	408	420	435	439	444	437	435	436	430	425	422	423	425	424	425	427	426	426	0	11	35 446	7	10 403	43
24	✓			426	425	423	422	425	424	412	410	417	425	431	433	426	421	420	414	409	411	417	424	425	425	425	425	421	0	11	19 436	6	59 405	31
25				426	424	421	419	420	414	402	395	409	420	432	435	437	430	425	415	405	408	412	425	428	431	430	427	420	0	12	10 443	6	45 393	50
26				425	424	423	423	424	420	403	394	409	425	439	444	442	443	447	434	425	424	422	431	429	432	430	434	427	2	14	26 455	7	25 393	62
27			✓	429	419	421	435	440	432	415	406	410	419	449	470	477	472	463	454	440	432	445	461	460	454	445	438	441	2	12	19 485	8	03 401	84
28			✓	430	416	400	397	410	410	389	390	412	424	452	469	461	458	444	426	418	421	428	435	436	434	430	428	426	2	12	06 477	7	19 378	99
29																																		
30																																		
31																																		
MEANS ALL DAYS				425	422	420	420	422	422	411	414	427	441	453	458	458	454	449	441	431	425	424	429	431	431	430	428	432						64
MEANS TEN DAYS ✱				423	422	420	419	421	423	413	417	430	444	453	456	458	458	451	439	428	422	419	423	426	426	426	424	431						58
MEANS FIVE DAYS † (G. M. T.)				422	421	419	419	420	421	410	413	426	439	451	456	459	461	454	440	428	420	418 417	421 420	425	425	425	423	430						
MEANS FIVE DAYS ‡ (G. M. T.)				431	425	420	420	424	422	409	413	427	443	462	474	478	469	459	449	438	431	432	439	441	441	437	436	438						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 288

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1929

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				425	421	421	419	425	424	416	421	439	451	457	469	474	475	466	440	425	420	421	426	429	429	429	429	435	0	13	32	479	6 37	414	65
2				422	421	420	419	418	415	409	412	421	432	442	450	456	456	456	446	441	435	427	424	425	426	426	424	430	0	14	20	461	7 06	405	56
3				421	421	421	421	421	422	412	404	400	399	421	432	444	450	454	444	433	425	424	426	429	427	427	425	425	1	14	25	455	9 10	393	62
4		✓		423	422	423	425	425	422	411	405	408	417	425	441	454	462	466	464	452	433	421	424	425	425	424	421	430	1	14	40	469	7 28	403	66
5				417	415	417	416	418	420	407	401	408	421	420	431	440	444	446	439	426	415	414	419	420	424	425	423	422	2	14	15	450	7 30	384	66
6	✓	✓		425	424	424	426	428	426	416	415	419	420	425	434	440	451	464	461	445	425	416	419	421	420	421	421	429	0	14	40	466	7 20	414	52
7				423	424	424	426	425	421	412	406	406	407	410	415	425	422	420	425	430	425	423	424	430	420	425	427	421	0	23	02	436	8 10	404	32
8			✓	421	415	410	414	420	420	412	415	414	425	430	431	429	437	445	443	437	430	425	426	430	428	424	421	425	2	14	02	450	8 40	405	45
9	✓			420	419	416	420	425	430	433	430	430	433	434	435	427	426	420	415	415	417	420	426	425	426	427	422	425	0	10	50	440	15 05	411	29
10	✓	✓		420	418	415	419	424	427	423	423	430	438	448	459	467	468	454	433	419	412	419	424	426	425	424	420	431	0	13	05	472	17 25	412	60
11			✓	419	418	418	421	422	422	416	425	440	454	451	440	431	439	451	448	442	433	430	435	437	434	417	415	432	2	8	59	468	23 36	406	62
12				419	404	411	407	421	420	410	426	461	464	479	461	456	464	462	456	447	445	435	439	436	434	439	441	439	2	10	20	487	3 36	394	93
13				436	436	441	439	440	442	432	426	432	443	450	458	464	462	459	454	444	429	426	431	435	435	434	430	441	1	13	01	465	7 20	417	48
14				430	428	426	427	429	429	423	425	434	449	451	462	470	473	464	455	454	430	428	426	430	434	432	431	439	0	12	58	476	6 51	416	60
15			✓	429	425	425	425	425	426	427	430	443	477	469	482	471	469	450	440	424	419	424	434	435	438	432	431	440	2	9	49	502	17 11	412	90
16			✓	428	426	423	419	419	421	416	436	444	461	469	474	478	473	449	425	(424 | 426)	430	430	433	433	429	429	437	1	12	20	481	6 30	412	69
17				428	430	430	429	430	425	413	415	427	446	460	467	469	474	466	453	439	426	423	425	426	425	426	427	437	1	13	13	476	7 06	410	66
18	✓			424	425	426	431	431	426	415	404	396	395	407	420	440	445	445	451	442	427	423	425	425	425	425	425	425	0	15	10	455	9 40	394	61
19				425	424	423	425	426	427	425	419	412	411	420	430	435	435	437	437	435	430	427	426	426	425	417	424	426	0	15	23	441	8 55	409	32
20				427	428	430	429	434	434	431	425	423	427	440	455	475	470	461	446	430	417	417	424	424	424	416	423	434	1	12	50	479	18 30	415	64
21			✓	420	420	416	425	430	433	430	427	431	437	440	449	459	463	455	444	437	430	425	427	426	428	430	427	434	1	13	34	467	2 41	410	57
22				424	424	417	418	430	428	422	422	424	435	436	440	451	454	446	440	429	427	426	425	427	428	426	425	430	0	13	41	457	2 00	414	43
23				424	424	424	423	425	428	427	427	430	430	424	427	431	434	434	424	420	417	421	423	425	425	426	425	426	0	14	10	440	17 16	415	25
24				425	421	416	420	425	430	435	438	441	435	432	429	417	415	410	414	419	424	425	425	425	426	425	424	425	0	8	10	445	14 30	405	40
25	✓			419	420	421	421	423	425	439	454	466	475	475	466	455	440	425	420	417	415	419	420	420	421	421	421	433	0	10	20	480	17 26	414	66
26	✓			420	419	421	422	423	429	435	449	460	470	474	474	466	449	435	431	426	420	420	420	420	422	422	420	435	0	10	33	476	1 33	416	60
27	✓			421	424	424	420	423	422	419	431	450	466	474	474	471	455	440	429	420	416	417	419	419	420	422	422	433	0	12	10	478	18 20	414	64
28				421	418	418	420	420	420	419	425	438	446	452	460	458	445	439	435	430	430	431	428	424	422	420	418	431	0	11	21	465	1 36	415	50
29	✓			421	424	424	424	425	426	427	425	424	426	431	440	452	454	453	450	441	431	424	422	422	420	419	416	430	0	14	12	458	0 00	417	41
30	✓	✓		416	419	418	419	422	425	420	414	410	415	425	435	451	466	466	459	440	425	420	420	420	420	419	419	428	0	13	50	470	8 10	409	61
31	✓	✓		416	416	419	420	424	425	421	424	429	436	443	451	465	467	460	454	440	428	422	421	419	420	420	420	432	0	13	20	470	1 21	415	55
MEANS ALL DAYS				423	422	421	422	425	425	421	423	429	437	442	448	452	453	448	441	433	425	423	425	426	426	425	424	431							56
MEANS TEN DAYS ✲				420	421	421	422	425	426	425	427	431	437	444	449	453	452	446	440	430	422	420	422	422	422	422	421	430							57
MEANS FIVE DAYS (G. M. T.) †				420	420	420	422	425	425	418	416	419	425	433	444	455	463	462	454	439	425	420 420	423 422	423	423	423	421	430							
MEANS FIVE DAYS (G. M. T.) ‡				423	421	418	421	423	424	420	427	434	451	452	455	454	456	450	440	433	428	427	426	429	428	426	426	433							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 289

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1929 — APRIL 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				417	416	417	418	421	426	425	432	436	435	436	446	449	446	432	425	420	419	422	422	421	421	421	420	427	0	12 00	455	1 04	415	40
2				418	419	420	421	425	427	426	425	428	430	433	446	453	452	440	427	418	418	420	420	421	421	418	418	427	0	12 34	456	16 30	415	41
3				417	421	419	422	425	429	432	438	441	450	458	461	459	450	432	422	414	415	421	420	420	420	421	418	430	0	11 16	464	16 39	411	53
4			✓	416	413	413	410	408	396	402	407	427	445	457	460	450	440	436	428	421	423	421	420	420	420	420	417	424	1	11 15	466	5 20	387	79
5				418	418	419	421	421	421	426	432	439	450	458	465	473	461	442	431	424	423	424	423	424	421	421	420	432	0	12 10	478	2 05	416	62
6	✓			420	419	419	418	418	421	425	427	432	432	431	431	438	436	433	431	431	427	421	419	420	420	420	420	425	0	12 40	441	4 10	415	26
7				417	418	420	421	423	424	432	435	440	446	441	438	436	436	431	426	422	420	420	421	419	418	418	418	427	0	9 24	449	0 10	416	33
8				419	419	419	419	419	419	418	422	426	431	436	436	443	438	433	435	431	424	421	418	420	421	419	418	425	0	12 32	446	1 18	415	31
9	✓	✓		416	416	417	417	417	418	420	415	408	408	414	412	411	414	419	421	420	421	421	418	418	420	417	417	416	0	18 31	423	8 09	405	18
10				416	416	416	416	417	421	428	421	415	415	421	427	426	425	415	415	416	420	421	421	421	420	418	418	419	0	6 14	432	14 40	409	23
11	✓			419	418	418	419	420	421	419	422	427	434	442	445	441	438	431	425	418	420	421	418	419	418	419	418	425	0	11 20	447	1 55	416	31
12	✓			416	416	417	419	421	422	421	423	432	438	438	445	446	436	425	414	421	418	422	421	420	421	422	419	425	0	12 06	451	16 16	410	41
13				419	419	418	419	420	420	424	436	441	442	450	456	466	455	441	427	418	415	416	416	416	417	417	416	428	0	12 22	467	17 43	414	53
14	✓	✓		416	416	417	418	419	420	421	427	432	441	454	475	487	475	451	436	422	413	415	413	415	417	417	416	431	0	12 29	489	17 35	413	75
15				416	416	416	419	421	422	424	426	425	426	431	441	442	439	433	421	411	416	415	414	(415	415)	404	404	421	1	12 04	447	22 44	397	50
16			✓	417	426	427	426	432	431	428	431	432	435	430	437	434	436	428	421	418	422	418	419	421	416	417	417	426	1	12 24	445	0 00	407	38
17			✓	414	418	424	426	429	426	426	430	440	448	451	462	469	469	452	432	414	414	416	417	418	421	420	416	431	1	13 00	476	17 05	406	70
18				415	416	419	422	425	424	422	421	425	432	435	440	446	452	445	431	421	415	416	416	416	418	416	415	425	0	13 11	455	22 50	412	43
19				418	418	418	421	423	426	425	419	418	420	420	421	430	433	426	421	418	418	420	417	417	418	419	419	421	0	13 10	436	7 58	415	21
20	✓	✓		419	419	419	420	421	424	430	433	438	444	443	440	437	423	411	408	414	418	421	418	418	419	419	419	424	0	9 40	447	15 10	406	41
21				416	419	422	423	422	425	428	436	443	445	440	437	441	442	427	422	421	419	421	418	417	418	419	420	427	0	13 10	446	0 31	415	31
22	✓			419	420	421	421	421	423	421	413	406	407	415	421	421	416	416	421	420	420	420	417	416	418	418	417	418	0	5 50	425	8 50	405	20
23	✓	✓		418	419	419	422	425	429	432	426	417	415	416	424	427	425	428	425	414	415	415	413	415	417	418	416	420	0	6 02	434	16 50	411	23
24	✓	✓		417	420	421	422	424	425	422	419	415	408	411	416	417	417	412	418	421	421	419	416	416	418	418	418	418	0	4 50	426	9 50	405	21
25	✓			419	418	414	415	420	422	428	429	431	429	431	439	444	432	422	417	417	418	420	417	417	418	418	417	423	0	12 21	446	2 45	413	33
26				417	417	416	417	420	421	421	431	437	445	450	453	458	454	442	432	421	416	416	416	416	415	415	417	428	0	12 25	461	17 40	415	46
27				417	418	420	421	422	425	428	431	429	426	426	423	431	434	426	424	417	415	414	414	411	416	418	418	422	0	13 10	436	20 35	407	29
28				417	420	423	426	428	430	427	422	418	413	416	433	455	455	451	441	431	421	416	413	413	416	415	417	426	0	12 30	460	9 59	410	50
29			✓	418	417	419	420	422	425	425	424	405	398	400	405	419	438	441	437	435	425	419	416	416	420	421	420	420	1	13 42	446	9 39	395	51
30			✓	421	418	421	424	431	435	445	441	435	435	436	435	446	446	441	431	419	416	415	416	416	416	413	413	428	1	7 12	449	22 55	414	35
31																																		
MEANS ALL DAYS				417	418	419	420	422	423	425	426	428	431	434	439	443	440	432	426	420	419	419	418	418	418	418	417	425						40
MEANS TEN DAYS ✲				418	418	418	419	421	422	424	423	424	426	430	435	437	431	425	422	420	419	420	417	417	419	419	418	422						33
MEANS FIVE DAYS † (G. M. T.)				417	418	419	420	421	423	425	424	422	423	428	433	436	431	424	422	418	418	418 418	416 416	417	418	418	417	422						
MEANS FIVE DAYS ‡ (G. M. T.)				417	418	421	421	424	423	425	427	428	432	435	440	444	446	440	430	421	420	418	416	417	417	416	415	425						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 290

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1929 — MAY 1929

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				414	415	412	414	417	417	411	411	402	401	411	427	438	442	443	444	433	422	416	415	416	421	417	415	420	1	15 05	449	8 10	396	53
2				412	410	414	414	412	414	415	411	401	395	404	415	438	438	445	435	421	414	415	415	414	414	416	415	417	1	14 20	448	9 38	391	57
3				416	415	411	416	421	422	423	417	405	404	406	424	441	451	455	441	426	416	415	414	416	416	416	415	421	1	14 05	457	9 16	399	58
4				416	415	417	415	417	417	416	413	404	400	401	413	425	436	440	434	422	419	418	416	416	416	416	415	417	0	14 40	442	9 10	399	43
5	✓	✓		415	414	413	413	417	421	422	413	407	403	406	411	416	422	417	418	419	419	418	416	416	416	416	414	415	0	6 50	425	9 27	401	24
6	✓			413	415	416	420	422	427	432	428	418	406	404	408	417	429	429	426	424	421	414	415	416	416	416	414	419	0	6 47	438	10 44	401	37
7	✓			413	413	411	411	416	423	440	433	421	415	416	417	426	432	428	422	421	419	416	414	416	416	416	415	420	0	6 54	445	2 50	407	38
8	✓			416	416	416	417	419	422	425	416	398	392	398	408	419	436	443	431	424	418	415	414	415	417	416	416	417	0	14 20	448	9 20	390	58
9				414	415	417	416	416	416	415	414	411	411	411	409	414	424	431	431	425	418	411	412	412	416	416	414	416	0	14 50	433	8 10	406	27
10	✓	✓		414	413	415	417	417	416	421	421	420	417	421	426	436	444	445	435	419	409	408	410	411	414	415	415	420	0	13 50	448	17 29	407	41
11				414	416	416	416	417	418	414	403	390	382	384	390	403	419	428	429	421	413	413	413	416	420	418	414	411	0	15 35	430	9 50	380	50
12				411	416	419	420	424	431	432	440	432	430	433	438	436	436	436	427	416	411	407	406	409	412	414	411	423	1	7 47	444	19 04	405	39
13			✓	415	418	424	426	431	426	426	453	452	447	431	(429)	427	436	436	418	408	411	414	412	415	416	418	418	425	1	8 10	466	16 50	406	60
14			✓	420	420	419	419	421	426	433	440	427	428	431	435	441	447	450	440	(427	418)	414	413	413	415	417	414	426	1	13 57	456	20 06	410	46
15			✓	417	415	412	416	421	424	426	431	426	411	406	408	402	405	415	418	417	418	417	415	415	418	414	413	416	1	7 10	437	12 26	396	41
16			✓	418	419	420	422	424	427	434	429	430	426	425	428	439	441	434	422	416	411	408	411	412	415	410	408	422	1	12 50	447	23 10	404	43
17				414	411	417	421	422	427	439	447	443	424	412	410	406	410	414	416	417	415	414	414	414	415	416	414	419	0	8 08	452	13 00	403	49
18	✓	✓		414	415	416	418	425	429	432	425	408	395	391	396	407	422	431	426	419	413	415	416	417	417	415	416	416	0	6 34	435	10 15	389	46
19	✓			416	416	417	421	426	432	435	432	418	406	398	396	405	426	441	434	419	413	413	414	414	414	415	413	418	0	14 31	445	11 30	394	51
20				414	414	415	419	423	429	434	427	415	407	395	400	407	420	426	428	419	413	411	411	413	416	416	416	416	0	6 21	437	10 30	391	46
21	✓	✓		415	413	416	416	420	421	424	426	421	412	411	415	426	435	438	431	419	415	412	413	413	413	414	412	419	0	14 09	441	10 58	409	32
22		✓		413	416	418	419	421	425	433	430	421	411	405	410	420	421	424	419	417	416	411	410	411	412	412	415	417	0	6 57	437	10 36	404	33
23			✓	413	409	411	434	440	436	443	445	441	432	424	420	417	415	420	418	416	416	415	415	415	415	416	416	423	1	6 19	451	2 03	396	55
24				416	416	418	419	425	430	437	437	431	422	411	409	414	416	422	426	424	418	415	413	415	414	418	412	420	0	6 52	441	10 57	406	35
25				414	415	420	423	428	433	443	449	440	427	410	398	401	411	422	425	422	420	413	415	415	415	416	416	420	0	7 05	451	11 59	396	55
26	✓			416	417	418	421	421	421	425	428	425	419	416	416	430	427	421	423	416	413	410	407	415	415	415	415	419	0	12 50	434	19 20	406	28
27	✓			412	416	419	420	422	425	432	435	426	421	419	425	430	424	415	418	409	404	405	405	406	407	411	411	417	0	6 54	441	17 10	402	39
28				411	413	413	414	419	419	426	421	411	404	403	421	426	439	435	424	413	407	407	407	409	409	411	409	415	1	13 02	442	10 10	401	41
29				411	411	414	414	415	419	419	418	411	401	394	391	404	418	431	428	418	411	408	408	411	414	415	413	412	0	14 36	433	10 58	386	47
30				414	413	413	411	414	419	426	427	421	418	410	413	423	423	426	425	415	409	406	407	408	411	413	415	416	0	6 56	431	18 18	405	26
31				414	415	416	414	417	421	428	434	421	416	418	426	432	436	437	427	416	415	408	408	412	414	414	414	420	0	7 30	442	18 40	406	36
MEANS ALL DAYS				414	415	416	418	421	424	428	428	419	412	410	414	421	428	432	427	419	415	412	412	413	415	415	414	418						43
MEANS TEN DAYS ✱				414	415	416	417	420	424	429	426	416	409	408	412	421	430	431	426	419	414	413	412	414	414	415	414	418						41
MEANS FIVE DAYS † (G. M. T.)				414	414	416	417	420	422	426	423	415	408	407	412	421	429	431	426	419	414	413 413 413 413		414	415	416	414	417						
MEANS FIVE DAYS ‡ (G. M. T.)				417	416	417	423	427	428	432	440	435	429	423	424	425	429	431	423	417	415	414	411	413	415	415	414	422						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 291

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1929

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				415	415	414	416	418	425	430	426	409	401	402	405	413	426	441	435	421	414	411	409	409	412	412	411	416	0	14 49	444	11 19	397	47
2				406	410	414	414	415	420	423	422	415	405	402	408	423	425	431	432	424	417	414	413	413	413	415	415	416	0	15 02	434	10 34	396	38
3				413	413	413	415	416	421	426	421	411	401	406	413	422	421	426	430	422	412	411	408	409	411	413	413	415	0	15 36	435	9 43	397	38
4	✓	✓		413	413	414	414	416	420	426	427	418	410	413	420	425	433	436	431	415	406	407	407	410	411	413	413	417	0	14 50	438	10 00	405	33
5	✓	✓		412	412	414	415	416	418	418	417	406	399	400	405	413	418	425	429	421	412	407	409	411	411	411	411	413	0	15 30	431	9 45	397	34
6				411	411	412	413	416	419	423	424	413	402	399	396	411	425	429	425	412	404	405	406	410	412	414	414	413	0	14 38	433	11 15	394	39
7				412	411	413	413	420	426	441	444	432	426	423	420	426	423	421	420	407	403	405	405	409	411	412	412	418	0	7 25	448	17 10	402	46
8				412	412	415	418	421	422	429	435	435	421	417	426	425	427	418	408	408	402	410	410	411	414	414	415	418	0	8 22	441	17 35	397	44
9				415	414	411	415	420	422	426	426	425	419	417	415	416	420	404	401	401	400	402	404	407	411	413	415	413	1	8 35	436	17 50	396	40
10			✓	411	400	412	416	421	425	426	424	431	420	419	425	426	419	410	407	408	409	407	405	411	414	414	414	416	1	8 14	445	1 32	394	51
11			✓	411	416	416	419	420	426	433	437	434	439	439	438	445	436	411	400	397	406	405	404	409	411	411	415	420	1	12 01	447	16 20	395	52
12				414	413	417	417	416	418	424	427	421	412	410	412	416	416	417	411	406	406	405	409	410	413	413	411	414	0	7 28	430	18 28	405	25
13	✓			412	412	413	414	415	416	417	429	433	436	440	436	432	434	432	421	411	406	410	410	410	411	412	411	420	0	10 20	441	17 20	404	37
14	✓	✓		411	411	411	412	416	418	419	422	423	419	416	419	426	434	427	421	416	409	407	406	407	408	410	411	416	0	13 20	436	19 20	405	31
15	✓			411	410	412	415	419	422	426	426	421	416	416	417	410	420	420	416	410	409	407	405	409	410	411	412	415	0	6 20	427	19 20	405	22
16				410	410	412	412	418	418	421	428	425	411	411	410	411	417	425	424	416	410	406	405	406	408	410	410	414	0	7 45	431	19 10	405	26
17				410	412	412	415	415	420	427	(431)	432	423	416	418	429	440	438	431	408	397	397	399	402	405	408	407	416	0	13 52	441	17 20	395	46
18	✓	✓		410	411	411	413	415	418	421	422	415	409	405	407	411	413	420	421	416	409	404	404	406	408	409	410	412	0	7 05	424	18 40	404	20
19	✓			410	411	412	413	413	416	420	415	405	401	396	409	423	426	426	421	411	402	401	401	405	407	410	410	411	0	14 05	428	10 07	395	33
20	✓			411	412	415	417	420	422	428	430	426	417	409	413	412	406	411	412	408	406	405	404	406	407	411	410	413	0	6 51	433	19 30	404	29
21				410	411	411	412	414	418	430	438	427	414	410	409	415	405	407	410	404	401	401	401	405	407	407	411	412	1	7 21	447	19 50	400	47
22			✓	410	407	401	408	416	420	432	444	435	426	417	409	408	405	397	401	407	404	404	406	408	409	410	408	412	1	7 27	451	15 05	390	61
23			✓	409	406	408	410	411	416	426	436	436	423	408	397	403	410	417	408	402	398	406	402	406	407	406	406	411	1	8 03	444	11 17	388	56
24				403	404	410	412	416	418	432	429	431	428	412	404	414	425	429	424	415	404	403	405	407	411	410	409	415	1	6 38	446	0 12	399	47
25				404	402	407	410	416	419	423	428	414	413	421	417	415	426	424	416	406	407	407	407	408	408	409	410	413	0	7 30	436	1 16	399	37
26	✓	✓		409	409	410	411	413	415	422	434	435	430	425	431	427	431	432	423	412	407	407	406	406	406	407	407	417	0	7 55	436	17 18	406	30
27	✓			406	407	408	410	412	414	418	424	424	418	416	419	421	431	437	442	428	415	409	406	407	407	407	405	416	0	15 32	443	23 56	404	39
28				404	404	403	404	407	407	405	414	418	415	421	425	431	435	444	436	419	407	407	407	407	408	408	408	414	1	14 40	449	2 40	400	49
29				409	410	406	406	409	411	415	417	414	414	421	425	428	419	418	415	407	399	401	401	404	406	406	408	411	0	12 25	429	17 25	397	32
30			✓	409	406	407	408	409	408	409	416	408	402	417	427	434	416	408	407	403	401	401	402	407	415	415	414	410	1	12 16	437	17 18	396	41
31																																		
MEANS ALL DAYS				410	410	411	413	416	419	424	427	422	416	414	416	420	423	423	419	411	406	406	406	408	410	411	411	415						39
MEANS TEN DAYS ✲				410	411	412	413	416	418	422	425	421	416	414	418	420	425	427	424	415	408	406	406	408	409	410	410	415						31
MEANS FIVE DAYS † (G. M. T.)				411	411	412	413	415	418	421	424	419	413	412	416	420	426	428	425	416	409	406 406 406 406		408	409	411	411	415						
MEANS FIVE DAYS ‡ (G. M. T.)				410	407	409	412	415	419	425	431	429	422	420	419	423	417	409	405	403	404	405	403	407	409	410	411	414						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⃠ = NO RECORD

TABLE 292

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				414	414	415	416	418	426	447	455	442	435	426	424	421	421	409	396	395	395	396	399	402	404	406	406	416	0	7 02	460	17 18	394	66
2				407	407	409	414	415	417	426	429	426	424	419	417	428	421	410	400	393	393	397	401	404	406	408	407	412	0	7 50	434	16 50	390	44
3				407	408	410	411	415	417	427	436	435	431	427	434	436	440	437	425	404	397	397	400	402	405	407	408	417	0	13 39	444	17 05	395	49
4	✓			407	407	404	406	411	414	426	432	420	407	393	394	401	406	399	396	393	397	403	404	406	406	407	408	406	0	7 20	436	10 55	391	45
5			✓	407	408	408	411	415	422	434	440	429	413	416	416	404	406	416	414	410	411	407	404	404	405	406	404	413	1	7 05	445	11 46	395	50
6			✓	399	391	406	404	411	423	440	447	437	420	406	387	386	391	402	407	403	401	400	403	406	407	412	408	408	1	7 50	454	11 50	379	75
7				410	410	412	410	412	418	431	436	424	406	397	397	402	408	413	407	404	402	401	403	403	406	407	408	409	0	6 55	438	10 48	395	43
8	✓			407	407	410	412	415	416	426	432	424	416	419	422	427	421	415	412	404	404	406	403	403	406	406	407	413	0	7 10	435	17 10	401	34
9		✓		407	409	410	412	412	412	414	424	428	431	431	431	431	438	436	422	416	411	406	403	405	406	406	406	417	0	14 10	444	19 10	401	43
10			✓	406	406	405	405	402	408	432	415	398	396	380	415	421	432	412	411	407	401	401	399	401	403	407	411	407	2	6 38	477	10 10	362	115
11				412	414	411	416	419	421	434	434	420	414	410	410	412	410	406	404	405	405	406	404	405	407	410	409	412	1	6 49	439	15 00	401	38
12	✓			409	409	410	411	412	416	426	435	427	422	418	414	426	437	434	425	412	408	406	407	406	405	406	408	416	0	13 10	440	21 37	403	37
13	✓	✓		407	407	408	410	414	417	422	421	417	412	411	414	416	421	421	416	410	406	404	403	403	406	406	407	412	0	14 00	426	20 00	401	25
14				407	407	408	411	414	417	423	424	416	404	401	400	407	408	405	413	411	410	414	412	406	417	417	411	411	1	6 50	426	11 21	395	31
15			✓	414	411	403	414	416	421	431	437	433	424	416	416	425	425	413	405	410	418	417	417	413	411	406	410	417	1	7 50	442	2 04	397	45
16			✓	411	418	419	423	424	428	445	435	427	426	417	411	429	427	421	422	417	415	408	406	408	410	412	411	420	2	6 47	463	11 59	396	67
17				412	413	411	414	(415)	417	422	416	390	399	404	418	434	442	429	419	413	413	406	405	408	408	410	410	414	1	13 18	447	8 25	381	66
18				412	413	414	415	417	422	424	429	435	432	417	424	441	441	432	419	407	404	405	405	407	409	409	409	418	0	13 19	445	17 10	402	43
19	✓	✓		409	409	410	412	416	415	407	412	416	417	426	423	436	444	432	422	408	402	404	403	405	406	407	407	414	0	13 30	445	17 40	401	44
20				407	406	406	405	400	409	413	423	428	422	402	409	417	417	412	414	412	405	403	405	407	406	406	406	410	1	8 30	436	4 17	396	40
21				406	410	410	412	412	415	422	431	426	416	407	415	419	422	428	411	399	401	402	401	406	407	411	410	412	1	7 13	437	17 00	397	40
22				408	408	408	406	407	412	414	418	412	402	395	405	417	436	432	414	407	403	405	405	406	406	407	407	410	1	13 42	442	10 21	392	50
23				407	409	410	411	413	416	422	425	412	393	391	399	415	415	412	407	412	412	406	403	405	407	408	408	409	0	7 50	427	10 09	385	42
24				407	406	408	406	407	412	412	422	432	427	422	432	439	430	417	409	407	407	406	406	408	409	411	410	415	1	12 30	442	3 49	405	37
25				408	406	404	402	406	412	418	421	417	407	409	427	442	445	425	408	401	403	406	409	408	408	407	406	413	0	13 29	451	16 40	398	53
26	✓			405	405	405	408	407	412	412	419	416	406	411	413	427	438	426	410	402	406	407	407	406	406	406	405	411	0	13 30	439	16 40	401	38
27	✓			405	404	404	404	407	411	413	410	407	406	399	407	420	422	420	419	411	404	405	402	402	406	408	407	408	0	12 51	424	10 13	398	26
28	✓	✓		405	405	406	406	408	411	414	416	416	416	422	426	427	425	430	426	417	406	404	402	401	402	405	406	413	0	14 32	432	20 30	399	33
29	✓	✓		406	406	407	407	409	412	418	412	399	390	390	392	403	418	422	412	402	396	397	398	398	400	402	404	404	0	14 15	423	10 00	388	35
30	✓			404	405	406	411	413	416	423	424	417	399	391	393	403	418	426	414	401	396	396	397	397	397	402	405	406	0	14 20	428	10 08	388	40
31				405	407	407	411	413	418	428	428	412	399	409	419	422	415	418	416	395	392	392	395	397	407	407	408	409	1	6 23	433	16 38	388	45
MEANS ALL DAYS				408	408	409	410	412	416	424	427	421	413	409	413	420	424	420	413	406	404	404	404	404	406	408	408	412						46
MEANS TEN DAYS ✲				406	406	407	409	411	414	419	421	416	409	408	410	419	425	422	415	406	402	403	403	403	404	406	406	410						36
MEANS FIVE DAYS † (G. M. T.)				407	407	408	409	412	413	415	417	415	413	416	417	423	429	428	420	411	404	405 403	404 402	404	406	407	407	412						
MEANS FIVE DAYS ‡ (G. M. T.)				407	407	408	411	414	420	436	435	425	416	407	409	413	416	413	412	409	409	407	408	407	409	408	408	413						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 293

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

AUGUST 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) AUGUST 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	409	411	412	413	416	418	435	449	428	396	384	397	418	418	415	408	398	408	408	407	408	408	402	405	411	2	7 01	471	10 09	372	99
2				408	409	412	416	425	428	434	429	423	415	412	409	408	416	422	422	418	409	405	403	404	405	408	408	414	0	6 25	438	18 40	402	36
3				410	413	414	415	419	426	434	427	413	400	396	397	411	421	417	413	398	402	406	405	405	406	406	407	411	0	6 20	437	10 59	389	48
4				407	408	413	417	421	425	433	435	423	408	400	403	401	397	400	405	403	402	403	408	410	406	407	407	410	0	7 20	439	12 57	394	45
5				407	407	407	413	419	427	431	436	427	414	413	417	417	417	414	412	407	404	403	404	406	408	408	408	414	0	7 41	438	18 35	402	36
6	✓			408	408	409	413	417	417	417	411	398	388	389	399	410	416	424	426	416	407	404	403	404	406	408	408	409	0	15 00	429	10 12	386	43
7	✓	✓		408	409	410	412	415	419	423	421	414	404	393	398	408	413	413	410	412	408	406	403	403	403	405	406	409	0	6 58	427	10 55	389	38
8	✓	✓		407	408	408	408	410	413	418	416	408	408	409	407	413	418	417	411	403	401	399	400	400	403	405	405	408	0	6 30	421	18 55	398	23
9	✓	✓		406	408	408	408	411	411	413	413	409	408	415	420	433	433	420	411	407	397	397	397	398	400	403	405	410	0	13 30	436	17 40	395	41
10				403	405	407	408	410	413	414	412	406	396	395	406	414	418	424	425	411	398	394	391	393	398	400	400	406	0	14 40	427	19 00	391	36
11			✓	402	402	408	411	409	413	413	413	415	399	396	398	409	408	405	403	407	398	399	398	398	401	403	403	405	1	8 18	429	10 48	387	42
12				404	406	406	409	413	416	423	426	422	413	411	408	410	410	419	413	403	400	401	401	401	403	404	405	409	0	7 25	429	18 55	399	30
13	✓			405	405	403	407	408	408	406	403	397	391	392	398	408	418	426	428	420	410	406	402	402	403	404	404	406	1	15 25	431	9 50	388	43
14			✓	404	406	406	408	409	413	422	424	421	414	427	425	427	419	423	433	428	418	416	420	416	408	412	409	417	2	12 27	440	13 55	400	40
15			✓	403	401	402	400	408	408	418	418	423	432	433	428	425	422	418	419	418	413	409	410	410	403	406	403	414	1	10 40	441	3 27	398	43
16				398	394	396	400	403	409	414	416	410	398	396	400	414	418	(415	418)	418	409	407	404	405	404	404	404	406	1	[13 04	424]	2 10	389	[35]
17				405	405	404	409	413	417	425	420	409	400	404	416	419	416	418	420	413	402	407	407	404	411	409	401	411	1	6 20	426	9 25	395	31
18			✓	394	394	402	411	410	409	427	440	427	410	398	396	391	407	409	413	414	412	409	409	409	406	404	404	409	1	7 30	445	12 01	388	57
19				404	402	407	410	414	418	430	437	419	411	396	391	401	409	410	410	408	407	408	405	403	405	407	408	409	1	7 10	448	11 02	385	63
20				409	409	409	413	416	422	438	439	435	430	428	426	414	417	422	416	409	408	409	406	406	407	408	406	417	0	7 02	445	23 40	404	41
21	✓			404	406	406	408	413	417	425	427	423	410	407	409	415	418	417	407	405	406	409	409	409	409	408	407	411	0	7 22	429	16 06	403	26
22	✓			406	406	407	408	409	414	426	429	426	414	401	398	394	390	399	409	413	413	411	408	405	404	406	406	408	0	7 35	431	13 30	389	42
23	✓			405	405	406	408	408	408	421	428	430	421	408	404	395	401	414	420	415	412	407	404	404	405	404	404	410	0	8 22	434	12 50	393	41
24				400	402	404	404	408	409	427	429	426	418	410	410	409	415	418	409	410	411	407	405	404	404	404	403	410	0	7 50	434	0 50	399	35
25	✓	✓		401	404	404	408	409	416	426	426	419	417	417	427	438	439	433	420	418	409	404	402	402	403	403	403	414	0	13 00	441	0 08	401	40
26				403	403	404	406	410	415	418	410	404	399	398	397	409	414	419	414	406	398	400	401	403	403	403	402	406	0	14 30	420	11 11	393	27
27				402	403	405	409	412	419	427	427	416	410	410	409	409	407	411	421	419	407	406	403	403	404	404	404	410	0	7 20	430	0 50	401	29
28	✓	✓		404	404	405	408	411	414	414	415	413	410	412	412	415	417	414	410	404	399	400	401	401	401	401	401	408	0	13 40	419	17 10	398	21
29				401	403	403	407	408	411	421	420	412	403	396	391	390	394	403	410	409	399	400	400	400	402	402	402	404	0	7 00	424	12 10	388	36
30				400	404	406	409	413	418	426	419	410	401	390	398	407	419	419	417	409	398	399	399	400	401	399	398	407	0	6 43	428	10 20	388	40
31				403	407	408	410	414	419	428	424	414	404	399	399	409	420	424	414	410	400	399	402	403	403	403	402	409	1	6 35	431	18 12	393	38
MEANS ALL DAYS				404	405	406	409	412	416	423	424	417	408	404	406	411	414	416	415	411	405	404	404	404	404	405	404	410						40
MEANS TEN DAYS ✻				405	406	407	409	411	414	419	419	414	407	404	407	413	416	418	415	411	406	404	403	403	404	405	405	409						36
MEANS FIVE DAYS (G. M. T.) †				405	407	407	409	411	415	419	418	413	409	409	413	421	424	419	412	409	403	404 401	403 401	403	404	405	405	410						
MEANS FIVE DAYS (G. M. T.) ‡				402	403	406	409	410	412	423	429	423	410	408	409	414	415	414	415	413	410	408	403	402	405	406	404	411						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 294

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1929 — SEPTEMBER 1929

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				404	406	410	412	418	424	435	427	415	397	382	380	385	406	419	420	412	405	404	401	402	402	403	403	407	0	6	25 438	11	17 377	61
2	✓			403	405	410	415	420	424	426	417	405	386	378	382	395	410	418	421	414	405	402	400	400	402	402	402	406	0	6	08 431	10	55 373	58
3	✓	✓		404	405	406	410	415	419	420	408	385	369	367	377	392	408	415	412	407	405	401	401	403	405	405	405	402	0	6	10 425	10	40 364	61
4	✓	✓		405	405	405	408	411	416	425	421	411	400	392	386	391	403	416	418	411	400	400	400	403	404	404	405	406	0	7	00 429	11	30 384	45
5	✓	✓		405	405	405	409	411	415	420	425	430	428	420	418	421	427	418	405	399	395	400	400	401	402	402	404	411	0	8	59 434	17	20 393	41
6				405	405	405	407	409	410	411	407	397	397	399	403	410	416	415	414	409	400	401	405	405	410	413	413	407	1	14	05 419	8	31 393	26
7			✓	401	401	405	402	398	398	417	432	438	439	435	425	428	428	425	423	412	402	402	401	405	406	406	405	414	1	9	28 445	5	02 387	58
8				405	405	405	410	411	412	417	420	421	420	425	434	448	446	432	421	409	403	405	406	406	406	406	400	416	0	12	45 450	23	50 398	52
9				403	405	405	409	409	415	419	420	416	408	402	399	409	406	400	402	404	403	409	409	405	402	405	404	407	1	7	28 425	11	25 395	30
10			✓	398	390	398	403	412	415	431	444	446	444	439	439	440	435	424	411	410	411	411	413	414	407	406	402	418	1	10	18 451	1	10 385	66
11			✓	399	398	395	392	407	415	429	431	439	426	420	410	410	421	417	411	407	405	408	408	407	405	404	404	411	1	8	03 443	3	12 384	59
12				400	397	401	405	411	415	421	421	419	411	415	410	417	425	425	428	420	417	410	407	408	408	405	396	412	1	14	05 430	23	36 394	36
13				400	401	403	406	409	410	409	398	395	394	390	391	402	410	415	418	410	405	407	408	402	402	401	399	404	1	15	05 422	11	13 382	40
14			✓	395	384	394	402	405	401	413	419	415	400	390	390	405	413	424	424	419	413	405	407	406	400	405	402	405	1	14	58 429	1	20 380	49
15				399	401	399	403	405	409	410	410	410	405	402	405	412	424	421	420	411	401	400	401	401	400	400	400	406	1	13	22 428	2	34 396	32
16				400	401	403	409	410	416	416	406	395	(390	385)	378	387	406	419	419	410	406	403	402	404	404	402	402	403	0	15	01 425	[11	52 375	50]
17				403	403	405	408	411	416	416	416	411	409	(401	406)	417	421	423	419	409	403	403	404	404	404	401	399	409	0	14	18 420	23	06 396	24
18	✓			401	401	401	405	408	408	403	398	394	385	379	387	402	419	428	433	430	423	412	409	409	406	405	405	406	0	15	28 436	10	50 377	59
19	✓	✓		401	401	401	405	410	419	426	422	416	403	392	399	411	423	(423	416)	409	403	401	403	403	403	402	402	408	0	6	30 427	10	34 390	37
20				399	398	399	402	410	420	431	431	420	408	401	401	411	410	400	389	386	386	396	401	402	402	402	402	404	0	6	45 436	17	20 382	54
21				400	400	400	403	408	416	423	420	415	409	399	397	396	400	396	396	401	399	402	406	405	403	403	399	404	1	6	15 427	10	52 390	37
22			✓	399	400	391	395	401	394	392	405	410	412	415	433	442	436	426	413	409	406	406	406	405	406	406	404	409	1	12	18 453	6	27 386	67
23	✓			403	403	403	403	406	408	411	418	411	404	396	402	413	427	423	413	405	401	401	402	401	400	396	397	406	0	13	58 431	10	43 392	39
24	✓			401	401	402	405	406	406	407	403	395	390	393	402	416	426	422	417	412	402	400	398	402	405	405	402	405	0	13	30 428	10	05 386	42
25				402	401	401	401	401	404	402	404	402	399	407	411	411	409	413	406	395	391	396	400	400	400	401	401	402	0	14	19 416	17	20 387	29
26				401	400	400	401	403	405	411	409	401	391	397	401	409	411	411	407	399	392	393	398	397	397	396	401	401	0	13	54 416	9	40 386	30
27				402	401	401	402	406	402	399	393	390	389	389	402	416	420	413	409	404	404	404	403	403	401	401	401	402	1	13	05 428	8	20 382	46
28	✓			401	401	401	402	405	406	411	410	406	396	389	400	417	425	425	419	409	399	398	401	401	401	400	401	405	0	14	06 429	10	09 385	44
29	✓	✓		401	401	401	401	402	406	405	401	398	390	384	391	410	429	429	422	412	401	398	400	400	400	400	400	403	0	13	48 431	10	50 382	49
30				399	399	399	402	405	409	406	404	397	400	400	416	428	431	430	425	412	401	399	400	400	400	400	400	407	0	13	06 433	8	59 388	45
31																																		
MEANS ALL DAYS				401	401	402	405	408	411	415	415	410	403	399	402	412	419	419	415	409	403	403	403	403	403	403	402	407						46
MEANS TEN DAYS ✲				402	403	404	406	409	413	415	412	405	395	389	394	407	420	422	418	411	403	401	401	402	403	402	402	406						47
MEANS FIVE DAYS † (G. M. T.)				403	403	404	407	410	415	419	415	408	398	391	394	405	418	420	415	408	401	403 400	402 401	403	404	403	404	406						
MEANS FIVE DAYS ‡ (G. M. T.)				398	395	397	399	405	405	416	426	430	424	420	419	425	427	423	416	411	407	406	408	406	405	406	403	412						

DESIGNATIONS AND REMARKS

✲ = TEN, LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 295

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1929

OCTOBER 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		399	399	400	402	403	403	402	397	393	389	387	403	422	427	414	407	400	393	399	402	402	402	402	401	402	0	13 10	431	10 28	382	49
2	✓	✓		401	399	399	402	403	403	402	402	401	400	399	416	432	436	425	411	401	396	398	402	402	402	402	402	406	0	13 10	440	17 16	393	47
3				401	401	401	403	404	402	402	403	403	403	397	403	421	423	418	411	402	402	404	403	403	399	399	402	405	0	13 27	430	10 08	392	38
4				401	400	401	402	405	402	391	392	397	404	407	422	437	435	422	413	407	403	402	404	404	402	402	401	406	1	12 59	442	6 50	390	52
5	✓			402	401	401	403	400	404	407	410	413	407	411	417	420	412	404	400	395	395	400	403	402	401	401	401	405	0	12 10	422	17 10	392	30
6	✓			397	397	397	399	399	403	411	421	432	430	435	437	438	432	429	413	405	404	404	404	402	400	401	399	412	0	12 11	440	1 18	396	44
7			✓	396	392	392	395	396	400	402	403	391	392	407	404	430	433	431	428	417	411	411	412	416	412	404	398	407	2	13 15	446	9 42	381	65
8			✓	394	390	394	398	401	404	404	407	416	415	412	430	439	433	427	430	409	407	411	410	412	407	403	401	411	1	12 44	444	1 08	384	60
9				400	397	393	393	395	401	403	403	411	415	422	433	450	452	447	427	418	411	405	407	405	403	400	399	412	1	12 31	463	3 22	388	75
10				394	391	392	396	402	401	396	396	397	399	412	430	433	434	424	420	411	407	403	402	403	401	398	401	406	0	13 36	443	1 05	386	57
11	✓			399	395	396	402	408	406	395	392	393	401	422	444	451	452	445	429	412	400	394	399	401	397	393	394	409	0	13 50	455	7 37	391	64
12				395	398	396	396	402	398	390	390	387	382	398	412	427	436	437	431	411	401	401	405	400	397	398	396	404	0	13 35	442	9 20	380	62
13				395	395	396	400	399	392	384	389	397	408	415	427	431	429	422	406	392	392	397	401	401	401	400	399	403	0	13 02	434	6 50	381	53
14				400	402	402	401	401	396	392	393	398	403	410	424	431	427	422	415	405	398	401	402	401	401	402	401	405	0	12 10	433	6 40	390	43
15	✓	✓		397	397	397	398	402	401	400	399	394	396	402	406	422	424	420	412	396	391	397	401	401	399	399	398	402	0	13 00	427	17 03	390	37
16			✓	397	397	398	402	403	403	393	385	376	376	408	432	438	435	424	438	421	422	426	428	414	413	404	401	410	2	13 24	456	8 50	355	101
17			✓	394	388	381	395	399	395	385	383	381	386	403	423	428	442	448	433	417	412	413	418	418	412	407	403	407	1	14 45	453	2 07	378	75
18				400	400	399	402	(400	398)	393	392	397	403	412	426	438	443	436	426	410	403	403	409	409	408	407	408	409	1	13 26	446	[7 12	391	55]
19				403	401	397	393	399	398	397	408	411	421	432	433	427	423	423	418	408	403	406	409	405	404	402	401	409	0	10 40	437	3 50	389	48
20				399	397	398	397	398	398	391	398	404	418	424	439	443	439	423	412	404	402	403	404	406	404	403	401	409	0	13 10	448	6 50	390	58
21	✓			395	394	393	395	394	401	396	396	398	407	413	416	415	412	418	413	408	403	403	406	403	403	402	399	403	0	10 59	420	0 38	392	28
22	✓			398	396	393	393	393	395	391	392	396	409	419	423	419	413	411	408	399	393	398	400	401	402	403	401	402	0	11 31	428	7 57	390	38
23				397	396	397	397	400	399	391	393	403	415	428	433	422	413	416	414	401	395	400	404	403	407	406	402	406	0	11 17	438	6 34	389	49
24				398	398	393	393	397	393	384	382	383	384	395	389	393	398	405	404	397	398	402	405	406	406	403	402	396	1	15 02	411	8 45	379	32
25				399	396	395	397	399	399	395	399	405	403	416	425	422	413	412	399	393	394	400	403	400	402	400	400	403	1	11 35	426	16 36	392	34
26	✓	✓		398	395	395	395	397	395	385	383	384	393	402	408	406	406	408	399	392	393	398	399	400	400	400	398	397	0	11 30	412	8 18	381	31
27	✓	✓		398	396	396	398	401	405	406	406	407	409	416	421	425	425	422	411	395	392	395	398	400	400	400	398	405	0	12 49	429	17 15	390	39
28				396	396	396	396	396	398	393	390	392	398	408	416	421	420	417	413	400	397	395	396	403	403	403	408	402	1	12 58	426	7 30	388	38
29				403	398	398	402	403	400	389	393	400	402	408	417	428	431	425	411	401	398	402	404	403	405	403	403	405	1	12 56	433	6 50	387	46
30			✓	396	392	391	392	396	393	387	397	394	401	417	426	434	430	425	420	407	404	402	402	401	401	402	404	405	1	12 24	440	8 40	377	63
31				398	400	394	399	401	398	393	401	409	417	422	413	411	417	417	406	391	388	398	403	402	401	400	401	403	1	10 19	424	17 22	383	41
MEANS ALL DAYS				398	397	396	398	400	399	395	397	399	403	412	421	428	427	423	415	404	400	402	405	404	403	402	401	405						50
MEANS TEN DAYS ✲				398	397	397	399	400	402	400	400	401	404	411	419	425	424	420	410	400	396	399	401	401	401	400	399	404						43
MEANS FIVE DAYS (G. M. T.) †				399	397	397	399	401	401	399	397	396	397	401	411	421	424	418	408	397	393	399 397	401 400	401	401	401	400	402						
MEANS FIVE DAYS (G. M. T.) ‡				395	392	391	396	399	399	394	395	392	394	409	423	434	435	431	430	414	411	413	410	407	406	402	400	407						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 296

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

NOVEMBER 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) NOVEMBER 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				398	391	390	389	389	390	384	393	404	414	424	426	411	402	406	404	391	390	402	406	402	405	406	405	401	1	11 20	438	6 50	378	60
2			✓	407	401	404	399	402	398	385	393	406	418	422	427	423	418	416	408	394	389	398	404	407	415	401	399	406	1	11 11	433	6 50	384	49
3			✓	393	376	368	383	377	368	367	380	394	410	428	414	427	427	430	412	401	400	406	411	409	406	406	407	400	1	14 30	440	6 29	358	82
4			✓	409	407	405	403	399	392	389	397	406	420	437	444	440	432	416	409	407	406	405	407	407	406	405	403	410	1	12 01	452	6 22	385	67
5			✓	393	395	399	401	398	395	386	397	417	429	439	449	453	444	426	414	407	403	402	404	405	400	402	397	411	1	13 00	462	6 40	384	78
6				393	390	390	392	397	398	392	398	410	419	429	439	429	419	411	402	394	396	399	403	404	403	404	399	405	1	11 31	442	2 11	387	55
7				395	393	390	394	395	387	377	390	405	415	430	436	421	429	417	405	399	397	397	402	404	404	401	398	403	1	11 41	445	6 37	371	74
8				395	390	390	387	387	389	385	391	405	414	419	427	425	424	423	403	389	393	398	408	407	405	403	399	402	0	11 25	431	6 10	384	47
9				398	398	399	398	402	399	388	393	392	394	399	403	411	415	414	404	392	387	390	400	400	400	401	401	399	0	13 10	418	6 40	382	36
10	✓	✓		399	399	399	399	400	396	385	389	399	409	419	429	422	410	404	399	391	387	390	400	403	402	399	396	401	0	11 38	433	6 10	384	49
11		✓		394	394	394	396	396	392	385	394	407	Δ									Δ	398	399	398	398	394							
12	✓			394	395	394	395	395	390	383	381	388	390	398	409	425	415	407	405	398	397	399	401	401	399	399	395	398	0	12 30	429	7 20	378	51
13	✓			393	394	394	394	394	389	383	384	394	398	406	420	423	428	428	418	404	398	403	409	408	407	405	402	403	0	14 00	433	7 08	382	51
14	✓			398	394	395	395	394	392	391	394	398	400	404	405	403	402	404	399	395	399	409	415	411	404	399	397	400	0	19 18	417	5 55	388	29
15				393	385	387	387	384	389	386	394	404	421	433	439	439	430	425	414	405	404	402	399	403	403	399	387	405	0	12 30	445	23 59	367	78
16			✓	374	380	377	389	395	394	377	378	396	425	433	443	456	445	442	421	407	405	411	415	411	407	405	405	408	1	12 30	465	0 01	368	97
17				400	400	400	400	396	391	386	388	396	404	411	425	433	429	424	415	402	399	391	405	405	402	400	397	404	0	12 33	436	6 22	384	52
18	✓	✓		395	392	392	393	397	390	380	388	400	406	416	432	437	443	435	427	415	404	400	402	402	402	399	395	406	0	13 45	445	6 15	379	66
19	✓			390	390	390	392	398	392	379	382	383	391	401	415	422	424	420	410	406	405	405	409	405	403	402	403	401	0	13 58	429	6 30	375	54
20				400	398	395	395	395	390	382	385	399	415	425	435	438	432	424	412	409	408	411	412	413	410	407	404	408	0	13 10	444	7 02	379	65
21				396	395	386	391	390	385	376	374	382	(392	406)	417	422	434	425	407	392	390	398	406	405	403	397	396	399	0	13 20	443	7 12	370	73
22				395	395	394	395	395	390	379	379	381	386	401	420	427	427	422	410	396	397	399	404	405	405	406	403	400	0	13 20	431	7 30	374	57
23	✓			396	395	396	396	400	395	388	389	395	404	405	415	420	419	416	411	400	396	400	405	405	404	403	399	402	0	12 00	421	6 50	385	36
24	✓	✓		398	395	394	393	393	385	379	385	401	415	425	435	435	429	420	407	399	396	395	399	400	400	400	398	403	0	12 28	438	6 35	378	60
25	✓	✓		397	395	394	395	396	395	394	404	416	426	426	432	430	424	414	404	395	395	398	400	402	401	401	399	406	0	10 59	435	6 00	389	46
26				395	391	386	382	383	379	382	394	404	405	405	407	405	407	399	387	385	392	394	400	407	406	406	405	396	1	9 15	415	5 51	375	40
27				401	398	398	397	400	389	389	405	425	426	426	433	424	410	398	384	379	380	388	399	401	404	404	404	403	1	11 48	443	16 32	375	68
28				400	397	395	395	394	383	374	385	406	420	420	423	417	415	414	400	393	388	391	395	398	396	398	395	400	1	11 30	429	6 10	370	59
29				391	393	395	393	392	379	358	369	386	410	434	454	446	430	416	399	386	383	385	395	395	398	400	401	400	0	11 30	460	6 22	357	103
30	✓			397	395	393	390	390	380	372	384	405	429	435	439	421	405	399	388	384	384	388	399	401	401	402	400	399	0	11 11	445	6 12	368	77
31																																		
MEANS ALL DAYS a)				396	394	393	394	394	389	382	388	400	411	419	427	427	423	417	406	397	395	398	404	404	403	402	400	403						a) 60
MEANS TEN DAYS ✲				396	394	394	394	396	390	383	388	398	407	414	423	424	420	415	407	399	396	399	404	404	402	401	398	402						52
MEANS FOUR DAYS (G. M. T.) b) †				397	395	395	395	396	392	384	392	404	414	422	432	431	426	418	409	400	396	394 396	402 400	402	402	401	399	404						
MEANS FIVE DAYS (G. M. T.) ‡				395	392	391	395	394	389	381	389	404	420	432	435	440	433	426	413	403	401	404	405	406	407	403	400	407						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete day November 11 b) Omitting incomplete Greenwich day November 11

TABLE 297

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1929 — DECEMBER 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		398	396	394	395	391	383	380	400	424	441	451	448	431	425	416	406	394	388	392	397	398	397	398	397	406	0	10 55	455	6 08	373	82
2	✓	✓		395	390	386	387	388	382	375	393	413	426	425	423	421	418	418	412	401	394	391	396	397	397	397	395	401	0	11 01	430	6 15	370	60
3				389	387	386	387	386	378	371	383	399	422	425	431	419	416	427	431	411	399	401	411	410	412	406	401	404	1	11 09	450	6 05	369	81
4			✓	386	368	354	360	364	356	364	377	402	429	449	471	469	441	416	400	389	387	396	403	411	406	401	400	400	1	12 25	477	3 00	346	131
5			✓	397	396	383	378	369	358	363	389	413	437	454	471	472	455	440	418	394	385	389	403	404	404	402	401	407	0	11 18	476	6 08	347	129
6				395	389	385	386	385	380	381	405	427	450	472	476	466	441	421	397	375	382	392	402	401	397	397	396	408	0	11 30	482	5 46	370	112
7				393	396	393	391	391	387	381	396	422	438	446	447	439	415	391	386	381	383	388	397	399	396	392	390	402	0	11 27	453	6 25	378	75
8				384	375	385	389	386	376	365	382	396	404	425	435	434	418	406	388	385	388	388	Δ						0	12 30	439	6 25	361	78
9																						Δ	397	399	401	403	401							
10				397	393	387	386	382	381	379	386	398	413	429	435	418	399	400	403	394	387	382	393	397	397	397	396	397	0	11 04	447	6 22	374	73
11				392	385	384	385	382	375	365	369	378	390	404	426	436	432	419	422	422	407	405	408	411	408	405	393	400	1	12 38	443	6 20	362	81
12				392	387	386	385	389	382	372	386	401	411	419	433	426	427	419	404	386	388	390	393	396	397	397	394	398	0	11 35	441	6 20	372	69
13				388	384	381	385	384	382	375	391	408	422	432	435	425	412	414	413	402	390	388	394	396	396	395	392	399	0	10 28	442	6 20	372	70
14				388	387	386	388	389	383	372	376	386	(398	412)	420	425	412	401	397	389	388	388	397	399	397	396	394	394	0	12 10	433	6 50	371	62
15				387	382	383	385	387	382	376	386	396	406	422	443	453	437	426	414	402	392	386	391	391	389	388	387	400	0	12 19	458	6 30	374	84
16			✓	387	385	385	385	384	377	362	373	388	412	434	449	444	450	437	418	402	400	407	411	412	408	404	398	405	2	13 42	474	6 25	359	115
17			✓	390	383	382	382	380	366	357	368	388	407	429	447	446	438	432	396	386	383	392	408	409	404	402	397	399	1	12 28	470	6 25	356	114
18				401	399	396	391	384	376	363	370	388	410	446	463	453	430	408	387	383	382	383	397	399	402	403	401	401	0	11 45	469	6 25	361	108
19	✓	✓		397	395	392	389	390	383	377	394	413	427	448	459	468	458	438	420	398	387	379	393	394	398	397	394	408	0	12 39	470	6 10	373	97
20	✓	✓		389	388	389	388	390	386	373	384	396	407	428	433	427	427	418	398	397	393	388	392	395	395	395	393	399	0	10 56	437	6 27	372	65
21	✓	✓		393	390	390	391	391	389	387	391	398	413	440	453	440	428	415	412	408	406	398	397	397	402	403	398	405	0	11 19	458	6 07	384	74
22			✓	395	392	391	388	388	388	375	368	396	413	437	468	470	444	438	413	388	386	387	402	405	407	404	400	406	2	12 30	488	7 12	359	129
23				402	396	394	394	393	383	367	377	396	418	435	443	429	424	423	409	404	402	393	398	399	398	394	393	403	0	11 43	451	6 33	366	85
24				393	392	393	393	394	389	374	378	387	398	428	444	431	420	414	403	396	395	391	399	400	401	398	392	400	0	11 34	450	6 35	372	78
25	✓			392	394	397	394	398	391	379	392	406	423	437	445	438	430	435	428	419	412	401	401	403	401	400	398	409	0	11 40	449	6 25	377	72
26	✓			393	387	389	389	390	389	388	395	399	408	420	421	399	385	384	385	386	389	391	399	400	400	399	394	395	0	11 04	427	14 20	377	50
27	✓			387	388	388	390	389	386	373	387	386	390	398	409	413	409	401	398	390	384	388	392	396	397	395	391	393	0	12 32	417	6 16	371	46
28	✓			389	385	386	387	388	382	378	384	400	411	426	435	424	410	400	392	384	374	384	393	395	399	395	394	396	0	11 01	440	17 18	371	69
29	✓			391	390	390	390	391	386	368	380	399	414	417	428	423	402	387	377	379	386	393	395	393	398	401	399	395	0	12 14	434	6 25	367	67
30				393	389	388	387	385	381	378	389	412	432	440	451	454	425	396	374	366	372	384	391	397	398	399	399	399	0	12 18	462	16 37	362	100
31				394	391	390	393	390	386	365	374	389	406	428	434	434	426	426	414	393	392	391	399	403	398	399	397	400	1	12 19	448	6 41	360	88
MEANS ALL DAYS a)				393	389	387	387	387	381	373	384	400	416	432	443	438	425	416	404	394	390	391	398	400	400	399	396	401						a) 85
MEANS TEN DAYS ✻				392	390	390	390	391	386	378	390	403	416	429	435	428	419	411	403	396	391	390	396	397	398	398	395	401						68
MEANS FIVE DAYS † (G. M. T.)				394	392	390	390	390	385	378	392	409	423	438	443	437	431	421	410	400	394	386 390	396 395	397	399	399	397	404						
MEANS FIVE DAYS ‡ (G. M. T.)				391	385	379	379	377	369	364	375	397	420	441	461	460	446	433	409	392	388	394	403	404	403	400	397	403						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 8 and 9

TABLE 298

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1929 — JANUARY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓	✓		624	624	624	620	622	621	628	662	724	793	833	842	793	725	668	634	611	615	628	635	637	638	639	640	670	0	11 08	858	16 56	607	251
2	✓			639	640	639	638	637	639	640	652	706	774	811	801	721	657	631	633	646	655	643	642	638	638	635	637	666	0	11 20	838	7 00	622	216
3				637	632	643	643	647	645	628	626	662	731	767	787	794	725	686	657	625	591	595	608	605	582	585	593	654	1	12 23	836	21 33	579	257
4				605	627	624	622	616	638	632	647	701	772	796	804	782	742	689	679	665	646	630	621	618	620	631	624	668	1	10 11	835	0 25	600	235
5			✓	620	621	624	621	626	642	630	649	682	739	788	802	764	677	615	562	499	550	570	570	577	583	583	586	632	1	11 07	828	16 27	482	346
6				596	598	600	596	595	605	613	632	659	698	717	714	706	652	640	637	636	629	619	616	614	612	610	608	633	0	10 15	746	0 03	588	158
7				607	608	607	607	608	620	635	637	654	676	692	701	677	631	595	595	615	628	624	⊼						1	11 37	706			
8			✓															⊼	629	648	617	564	531	531	543	565	572							
9			✓	575	578	580	582	591	607	617	641	664	677	701	682	616	609	604	598	599	600	587	584	591	592	590	584	610	1	11 20	728	14 54	566	162
10			✓	585	589	595	598	600	602	623	657	681	725	735	708	676	656	626	621	629	635	617	583	582	591	591	587	629	1	10 29	772	20 00	566	206
11				583	584	590	601	604	613	628	659	706	734	739	715	677	629	604	612	628	633	623	613	606	608	608	610	634	0	9 58	753	1 05	580	173
12	✓			608	608	607	608	609	617	640	666	702	741	757	745	695	649	606	594	602	621	625	625	623	621	620	625	642	0	11 20	774	15 52	582	192
13				620	616	604	602	606	609	626	663	706	767	796	811	782	724	648	609	603	608	617	616	610	611	608	611	653	0	11 31	815	16 14	584	231
14			✓	616	610	613	620	614	622	634	671	696	783	722	677	682	669	654	636	627	617	607	601	603	608	605	606	641	1	9 24	814	20 02	598	216
15				602	601	601	609	611	618	628	654	686	726	(751	761)	725	690	652	638	628	633	625	619	617	618	618	617	647	0	[10 18	773]	2 31	599	[174]
16				613	611	613	615	612	616	622	649	671	714	740	740	690	667	650	640	628	620	612	617	618	618	620	621	642	0	10 26	753	1 26	609	144
17	✓	✓		620	620	622	618	617	622	630	653	689	730	754	766	760	731	699	680	660	647	637	628	626	626	624	619	662	0	11 55	770	3 50	616	154
18	✓	✓		619	616	616	616	613	611	610	623	665	727	773	771	740	705	683	663	646	634	629	628	625	626	623	623	654	0	10 18	785	6 50	607	178
19	✓	✓		624	624	629	632	635	638	635	639	674	719	760	784	794	761	722	692	660	644	634	634	636	637	634	633	670	0	12 30	815	0 50	623	192
20				633	631	633	634	639	641	633	629	655	705	761	792	809	795	787	735	668	625	615	621	625	624	615	609	671	1	12 35	832	23 50	606	226
21				608	620	626	629	624	631	620	637	640	678	720	786	773	751	714	686	654	636	624	623	615	609	610	607	655	1	11 45	804	8 22	586	218
22				612	613	618	620	624	626	628	632	626	662	705	720	765	769	738	690	635	616	603	607	611	612	610	609	648	1	13 51	776	18 30	601	175
23		✓		610	613	619	621	616	620	615	616	640	690	735	749	740	682	673	670	665	643	627	626	625	625	624	623	649	0	12 05	759	0 32	609	150
24	✓			621	623	618	625	629	629	639	665	708	717	737	734	724	714	705	676	655	629	623	626	625	625	623	624	658	0	10 59	751	2 46	614	137
25	✓			625	623	623	622	623	628	636	643	665	691	716	705	682	648	638	645	651	645	638	631	630	630	629	627	646	0	10 42	725	3 20	621	104
26				626	624	625	627	631	632	640	667	707	732	742	727	707	700	671	644	622	614	614	615	615	618	618	617	651	0	9 55	759	17 26	608	151
27				620	620	619	621	622	630	641	661	689	717	728	736	716	700	685	669	661	650	640	633	630	629	627	626	657	0	11 30	748	0 02	618	130
28	✓			628	629	627	624	624	626	643	686	743	810	832	830	804	744	690	641	619	620	631	637	637	634	632	629	676	0	10 51	854	17 11	616	238
29				624	624	620	626	631	628	621	634	659	681	726	738	729	716	663	624	593	593	605	610	614	613	614	613	642	0	11 10	761	17 30	589	172
30	✓			616	615	617	618	617	613	618	639	690	722	758	766	767	746	709	674	643	623	617	622	617	619	620	621	657	0	12 18	773	5 37	610	163
31				625	624	624	625	626	623	617	625	675	706	773	800	798	767	719	688	653	623	619	624	615	618	622	624	663	0	12 04	811	7 00	608	203
MEANS ALL DAYS a)				615	616	617	618	619	624	628	647	682	726	754	758	738	703	671	649	631	624	619	618	617	617	616	616	651						191 a)
MEANS TEN DAYS ✲				622	622	622	622	623	624	632	653	697	742	773	774	748	708	675	653	639	633	630	631	629	629	628	628	660						182
MEANS FIVE DAYS † (G. M. T.)				619	619	622	621	621	622	624	639	678	732	771	782	765	721	689	668	648	637	620 631	620 630	620	621	620	619	659						
MEANS FOUR DAYS b) ‡ (G. M. T.)				599	600	603	605	608	618	626	654	681	731	736	717	684	653	625	604	588	600	595	588	588	592	598	598	629						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days January 7 and 8

b) Omitting incomplete Greenwich days January 8

TABLE 299

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			622	624	624	629	628	618	602	584	606	676	743	799	831	814	771	703	646	618	618	625	624	623	620	618	661	1	12 58	841	7 03	578	263
2	✓			620	624	623	622	622	624	624	632	674	730	764	787	784	765	736	705	659	632	622	621	623	622	618	609	664	0	11 43	796	23 59	608	188
3	✓	✓		608	613	615	620	622	624	621	625	647	696	736	776	786	776	751	715	670	633	626	631	631	628	627	626	663	0	12 30	794	0 22	606	188
4	✓	✓		629	631	628	630	628	629	625	640	668	699	731	749	777	777	758	723	686	651	635	635	633	631	631	629	669	0	12 56	785	6 45	624	161
5	✓	✓		628	628	628	629	631	631	630	641	675	695	743	780	813	817	774	727	683	647	633	636	638	641	644	638	676	0	12 57	828	1 50	626	202
6				635	640	637	633	634	628	624	640	661	680	695	658	690	700	680	685	672	605	577	589	590	601	599	608	640	1	13 56	734	18 03	563	171
7				611	606	606	616	611	606	608	633	660	704	728	747	741	704	703	678	653	626	625	622	624	619	617	614	648	0	11 32	767	5 55	599	168
8				613	609	624	624	626	629	638	659	694	724	785	759	761	720	675	638	618	623	611	602	605	606	604	603	652	1	10 24	815	15 32	586	229
9			✓	605	607	604	611	619	614	598	615	648	681	702	763	763	716	684	664	650	638	628	617	609	608	608	605	644	1	11 40	792	6 49	589	203
10				608	610	609	605	606	608	612	638	652	727	783	760	780	741	701	670	641	622	618	615	611	610	608	606	652	1	10 44	813	3 59	601	212
11				609	612	612	609	616	613	605	621	649	712	729	768	745	737	712	678	652	633	611	603	606	614	613	603	648	0	11 45	794	6 40	595	199
12	✓			603	605	606	614	615	615	610	620	650	705	732	744	732	719	702	670	649	635	625	624	615	612	613	621	647	0	11 30	753	0 06	601	152
13	✓			621	618	617	624	622	621	621	648	697	749	792	811	814	775	737	694	664	648	636	630	627	624	623	619	672	0	12 39	824	2 25	613	211
14	✓	✓		616	615	620	621	623	620	614	623	659	713	746	754	746	713	682	657	645	639	634	630	627	627	624	623	653	0	11 54	759	6 42	610	149
15	✓	✓		623	623	620	623	625	624	623	638	678	719	751	776	767	746	711	685	661	644	634	629	627	629	625	622	663	0	11 50	784	2 41	619	165
16				623	623	623	630	635	641	644	660	695	725	786	(796)	749	743	723	703	686	639	637	623	644	641	580	571	668	1	[1118	831]	22 43	556	[275]
17			✓	564	555	574	574	578	579	581	581	605	608	621	565	680	621	592	551	487	477	494	490	482	485	484	516	556	2	9 56	743	11 04	369	374
18			✓	535	538	539	560	573	578	582	592	628	668	689	697	690	673	642	624	603	578	565	562	548	553	578	583	599	1	11 32	704	0 00	529	175
19				560	558	558	560	570	580	596	605	614	657	659	607	660	653	(631	613	605)	597	584	571	565	568	580	573	597	1	12 37	661	3 01	554	107
20				570	572	574	577	581	592	604	624	665	692	709	704	672	654	627	583	605	609	590	594	596	590	592	582	615	1	10 19	727	15 25	564	163
21				577	579	578	582	587	593	607	636	676	728	723	724	705	648	617	613	606	607	597	585	582	590	605	601	623	0	11 52	754	2 04	575	179
22				593	593	592	601	604	599	604	619	689	731	767	735	670	622	631	595	595	587	566	560	562	567	573	578	618	1	10 35	787	18 33	552	235
23				582	597	589	591	592	596	598	623	652	706	741	742	717	667	640	615	613	611	607	601	601	588	595	605	628	0	11 36	755	0 20	576	179
24	✓			601	599	595	604	597	596	599	623	677	736	769	774	746	699	660	636	625	621	615	612	609	609	609	605	642	0	10 25	787	2 50	592	195
25				605	607	608	607	609	608	607	629	682	738	762	779	762	692	616	586	581	594	574	586	589	588	592	594	633	0	11 26	792	18 35	570	222
26				594	597	599	600	600	603	603	622	668	716	745	742	730	695	694	624	603	562	548	542	545	549	530	548	619	2	10 36	757	22 36	522	235
27			✓	556	571	575	568	578	576	552	522	534	596	701	692	646	556	513	479	424	437	385	346	375	479	482	460	525	2	10 44	732	19 20	340	392
28			✓	478	504	506	526	526	527	540	553	550	587	664	721	702	702	678	636	604	579	568	551	548	555	556	559	580	2	12 07	754	0 17	465	289
29																																		
30																																		
31																																		
MEANS ALL DAYS				596	598	599	603	606	606	606	620	652	696	732	740	738	709	680	648	624	607	595	590	591	595	594	594	634						210
MEANS TEN DAYS ✲				617	618	618	622	621	620	617	627	663	712	751	775	780	760	728	692	659	637	628	627	625	625	623	621	661						187
MEANS FIVE DAYS † (G. M. T.)				621	622	622	625	626	626	623	633	665	704	741	767	778	766	735	701	669	643	631 632	629 632	628	626	625	621	664						
MEANS FIVE DAYS ‡ (G. M. T.)				548	555	560	568	575	575	571	573	593	628	675	688	696	654	622	591	554	542	528	521	530	552	536	540	582						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 300

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1929

MARCH 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				555	556	560	560	569	573	573	592	652	720	747	763	746	725	697	658	614	572	574	578	580	579	575	570	620	0	11 10	791	0 58	552	239
2				568	572	577	585	584	587	577	582	619	650	684	692	705	691	675	657	629	607	595	594	591	590	590	584	616	0	12 17	716	0 30	567	149
3				581	588	589	588	597	594	578	566	585	593	669	674	693	688	712	683	645	603	591	588	593	590	586	588	615	1	12 12	719	7 48	558	161
4		✓		582	584	587	596	602	601	593	595	611	652	648	682	686	680	675	663	653	636	620	613	612	608	608	618	625	1	12 22	702	0 09	580	122
5				607	609	617	614	615	618	630	630	663	733	710	716	723	694	668	661	643	619	604	602	601	599	598	597	640	2	9 39	839	7 29	558	281
6	✓	✓		598	598	599	601	602	605	610	611	677	700	717	731	710	712	698	665	661	625	604	611	611	609	607	607	640	0	11 52	738	0 10	597	141
7				604	599	594	603	614	617	631	668	715	741	754	736	722	681	642	632	630	608	585	571	571	563	583	580	635	0	10 59	763	21 15	556	207
8			✓	583	572	599	619	608	605	608	646	664	726	694	675	652	657	618	623	634	620	603	596	595	602	597	591	624	2	9 43	788	1 33	567	221
9	✓			587	591	597	600	600	604	621	662	713	757	760	732	685	650	619	615	632	636	622	614	603	597	601	596	637	0	9 45	773	0 19	584	189
10	✓	✓		597	600	607	603	603	606	620	663	726	780	813	800	770	722	657	630	624	629	620	613	615	608	600	599	654	0	10 34	827	0 12	595	232
11			✓	591	597	601	599	604	602	615	655	734	895	898	820	710	699	716	678	648	622	604	580	548	543	539	473	649	2	10 50	939	24 00	449	490
12				492	524	491	536	494	508	501	484	580	569	639	595	572	545	489	494	458	496	476	477	488	493	507	541	519	2	10 44	676	0 17	429	247
13				544	533	540	549	559	550	562	575	604	662	683	710	698	673	644	627	604	574	562	559	556	551	547	555	593	1	11 14	721	1 34	524	197
14				560	562	563	560	562	562	559	587	628	708	733	755	749	715	660	614	592	586	584	587	577	579	578	579	614	0	11 52	773	6 52	555	218
15			✓	579	587	586	588	591	582	576	597	675	761	712	712	670	662	595	561	539	528	513	507	473	512	506	507	588	2	9 46	833	20 51	466	367
16			✓	529	515	520	535	550	544	546	589	641	721	786	799	765	721	642	606	(591	569)	555	543	547	531	544	559	602	1	10 56	830	1 09	512	318
17				550	559	555	562	563	561	556	577	623	687	726	743	700	692	673	629	603	586	579	581	580	576	574	582	609	1	11 07	774	0 55	540	234
18	✓			580	577	580	583	582	580	574	583	631	672	735	730	740	704	651	634	613	598	591	581	584	578	583	585	619	0	11 49	756	6 51	570	186
19				586	587	588	591	593	595	597	614	642	695	734	733	709	688	648	631	602	597	598	601	592	583	572	571	623	0	10 47	757	22 24	563	194
20				575	580	576	585	585	592	590	596	634	683	703	676	707	691	629	629	614	593	567	574	563	541	557	552	608	1	9 53	733	21 41	525	208
21			✓	539	526	545	565	566	571	577	604	632	683	680	705	703	654	627	603	583	583	572	578	579	569	572	586	600	1	11 35	753	1 23	519	234
22				580	575	576	577	574	585	597	632	665	721	744	722	675	667	645	621	605	598	594	592	590	590	588	586	621	0	10 22	779	4 19	567	212
23				585	587	585	591	594	594	601	639	692	734	752	756	725	674	649	619	607	601	587	579	586	577	574	583	628	0	12 02	773	22 53	572	201
24				583	597	596	589	592	595	601	630	673	724	755	753	708	680	642	611	614	614	603	595	593	594	587	585	630	0	11 41	772	0 20	579	193
25	✓			605	595	595	596	596	598	600	629	674	735	775	776	743	685	618	606	605	610	603	602	603	594	591	592	634	0	11 25	786	23 26	588	198
26	✓			596	593	595	594	600	603	606	638	691	754	793	799	778	707	651	619	616	604	593	586	585	587	583	597	640	0	11 48	804	20 57	580	224
27	✓			596	591	601	619	621	625	622	623	679	744	788	809	795	715	642	601	608	620	613	603	601	592	590	600	646	0	12 13	828	22 19	585	243
28				603	603	611	612	611	612	612	626	678	740	793	817	787	723	682	634	618	603	586	575	590	594	572	573	644	0	11 19	835	22 59	563	272
29	✓			573	588	595	599	602	602	602	617	660	709	759	773	771	738	687	654	628	613	605	600	598	598	596	596	640	0	11 56	783	0 10	565	218
30	✓	✓		598	603	606	607	607	603	603	625	664	708	747	755	753	746	717	677	647	623	614	608	603	597	593	589	646	0	11 02	778	23 19	586	192
31	✓	✓		595	599	604	603	605	609	605	620	668	720	733	777	767	731	689	655	638	648	633	623	618	620	610	609	649	0	12 05	782	0 00	593	189
MEANS ALL DAYS				577	579	582	587	589	590	592	611	658	712	738	739	720	691	653	629	613	601	589	584	581	579	578	578	623						225
MEANS TEN DAYS ✲				592	594	598	600	602	604	606	627	678	728	762	768	751	711	663	636	627	621	610	604	602	598	595	597	641						201
MEANS FIVE DAYS † (G. M. T.)				594	597	601	602	604	605	606	623	669	712	732	749	737	718	687	658	645	632	607 618	602 614	600	596	595	593	641						
MEANS FIVE DAYS ‡ (G. M. T.)				564	559	570	581	584	581	584	618	669	757	754	742	700	679	640	614	599	584	569	570	560	561	565	563	615						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 301

HORIZONTAL INTENSITY

APRIL 1929

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1929

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				628	623	621	616	612	609	602	616	660	715	754	768	734	716	669	654	645	628	609	614	607	604	605	606	646	0	11 57	774	7 16	600	174
2				605	609	616	618	619	616	612	626	678	723	738	763	759	734	705	669	630	629	620	609	605	600	595	593	649	0	11 54	769	23 30	590	179
3				597	600	611	607	605	607	610	636	664	695	716	732	721	700	663	648	635	622	606	612	616	613	612	617	639	0	11 08	739	1 14	593	146
4			✓	617	615	615	596	618	634	636	607	658	699	768	793	767	710	685	657	639	625	618	614	610	609	609	605	650	1	12 15	815	7 44	578	237
5				603	605	606	605	600	593	600	623	671	728	776	766	762	702	663	643	633	620	602	598	594	592	596	600	641	0	10 33	793	6 02	585	208
6	✓			602	601	602	606	606	607	610	632	682	726	761	751	734	706	673	655	644	633	618	613	610	607	605	606	645	0	10 41	792	0 00	600	192
7				602	609	611	613	615	613	621	654	699	742	744	743	700	668	634	626	626	623	615	610	617	610	606	597	642	0	11 20	758	23 35	596	162
8				599	611	611	610	611	615	611	613	655	699	721	706	689	656	626	640	635	627	616	610	610	604	606	610	633	0	10 55	737	0 00	597	140
9	✓	✓		610	610	609	614	618	619	626	648	684	728	750	739	704	664	648	637	636	634	624	619	616	615	614	612	645	0	10 19	758	2 21	607	151
10				613	615	616	617	618	619	635	664	700	748	791	791	763	710	652	628	629	625	619	617	632	630	612	615	657	0	10 55	803	22 38	609	194
11	✓			619	620	620	621	623	621	620	650	700	739	776	776	739	696	665	642	644	646	634	629	622	612	612	611	656	0	11 18	796	23 10	609	187
12	✓			609	611	614	616	618	620	622	649	700	767	802	812	782	750	696	663	629	611	597	597	597	600	597	599	657	0	11 14	821	18 28	594	227
13				602	608	614	616	616	609	602	598	623	677	734	754	756	720	692	663	641	625	618	615	613	611	610	609	643	0	12 10	766	7 28	591	175
14	✓	✓		612	617	622	622	624	623	620	630	656	701	750	788	789	756	709	675	655	643	635	628	623	619	613	616	659	0	12 14	798	0 00	606	192
15				619	620	623	625	628	631	631	649	686	736	772	816	792	738	703	662	622	611	617	592	(566	546)	561	539	649	1	12 02	845	23 45	516	329
16			✓	534	542	577	580	579	574	562	560	588	657	663	712	667	655	627	606	599	582	593	558	559	595	579	577	597	1	11 32	736	0 00	524	212
17			✓	604	593	589	601	602	601	595	597	635	688	698	715	707	696	676	649	610	599	588	587	591	590	588	598	625	1	11 38	734	18 29	584	150
18				600	596	593	599	602	601	601	608	628	670	684	707	687	670	659	641	633	602	591	599	600	597	609	596	624	0	11 50	719	18 23	584	135
19				594	599	600	601	600	602	609	619	647	680	707	716	707	677	648	635	629	616	606	602	604	601	596	595	629	0	11 09	727	0 09	592	135
20	✓	✓		597	597	601	601	601	601	609	633	675	727	764	769	753	714	677	646	628	617	614	608	605	600	576	571	641	0	11 36	771	23 19	567	204
21				582	579	587	598	594	588	583	604	657	720	747	747	710	670	641	620	611	593	585	584	575	574	590	586	622	0	11 18	758	21 20	571	187
22	✓			600	599	599	599	597	593	595	621	670	722	751	739	696	651	632	629	627	618	610	607	604	603	604	603	632	0	10 52	756	0 00	587	169
23	✓	✓		605	606	609	608	610	612	619	640	674	715	751	762	745	695	662	647	636	627	622	619	616	612	607	612	646	0	11 11	773	0 00	603	170
24	✓	✓		611	611	612	614	613	615	613	621	662	707	746	752	710	666	631	613	622	624	618	614	616	614	614	614	639	0	11 13	759	0 30	609	150
25	✓			612	613	625	619	620	618	625	647	690	732	780	803	791	753	699	652	619	613	605	610	610	609	606	605	656	0	11 32	806	18 45	600	206
26				605	609	609	619	620	620	618	635	670	717	753	768	770	743	698	667	635	614	601	594	590	585	592	601	647	0	12 06	782	21 35	583	199
27				604	609	611	614	616	614	619	618	647	700	758	788	787	768	724	677	637	618	616	607	590	585	589	589	649	0	11 40	797	22 01	577	220
28				596	591	599	612	620	612	608	619	647	662	706	766	758	740	715	662	629	615	600	599	600	599	599	601	640	0	11 09	784	1 44	589	195
29			✓	606	606	607	615	618	619	607	621	615	655	710	710	694	679	662	626	595	586	576	579	572	569	575	588	620	1	10 30	729	21 55	565	164
30			✓	593	616	615	615	616	618	628	642	680	725	775	762	772	730	695	649	634	624	615	614	609	608	609	612	652	1	10 35	839	0 32	588	251
31																																		
MEANS ALL DAYS				603	605	608	610	611	611	612	626	663	710	745	757	738	704	671	646	630	618	610	605	603	600	600	599	641						188
MEANS TEN DAYS ✱				608	608	611	612	613	613	616	637	679	726	763	769	744	705	669	646	634	627	618	614	612	609	605	605	648						185
MEANS FIVE DAYS † (G. M. T.)				607	608	611	612	613	614	617	634	670	716	752	762	740	699	665	644	635	629	614 623	611 618	609	606	605	606	645						
MEANS FIVE DAYS ‡ (G. M. T.)				591	594	601	601	607	609	606	605	635	685	723	738	721	694	669	637	615	603	598	588	583	584	585	584	627						

DESIGNATIONS AND REMARKS

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TABLE 302

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				613	618	622	627	632	636	623	646	671	718	758	783	761	733	692	642	631	631	622	617	606	604	600	602	654	1	11 58	802	22 56	592	210
2				617	609	607	610	610	611	613	607	634	667	703	722	745	715	698	671	646	626	618	616	626	612	610	620	642	1	12 55	756	7 29	596	160
3				604	610	616	612	610	609	618	618	646	697	725	752	769	758	712	666	641	623	604	604	616	613	605	600	647	1	12 57	779	23 35	597	182
4				607	618	618	617	619	619	613	619	641	671	696	705	698	680	665	652	642	630	617	617	614	614	612	612	637	0	11 29	707	0 06	600	107
5	✓	✓		613	614	620	617	616	615	627	638	663	698	730	737	718	687	654	642	637	627	621	619	618	617	615	615	644	0	11 41	741	1 25	612	129
6	✓			616	617	618	619	622	621	631	642	677	718	743	763	753	731	689	649	631	622	618	617	617	615	610	605	652	0	11 50	774	23 53	604	170
7	✓			606	610	614	619	616	618	628	644	679	730	765	756	745	720	678	634	618	615	614	614	615	614	616	616	649	0	10 27	772	0 00	605	167
8	✓			617	618	619	620	620	620	622	632	654	706	739	764	746	726	696	644	626	613	613	614	610	611	618	611	648	0	11 37	775	21 00	604	171
9				619	619	618	617	619	617	605	616	634	680	713	724	708	697	674	657	643	632	624	619	618	618	617	618	642	0	11 17	733	6 29	599	134
10	✓	✓		618	617	622	623	626	625	631	643	665	700	741	754	745	724	705	677	657	640	632	630	631	628	626	625	658	0	12 07	758	1 23	615	143
11				624	625	629	632	634	632	623	632	658	695	724	721	730	696	658	649	646	639	622	605	597	599	598	602	645	0	12 16	737	23 21	582	155
12				610	611	622	620	615	613	619	650	674	721	765	793	745	704	674	652	618	619	621	619	618	612	581	545	647	1	11 40	803	23 50	533	270
13			✓	543	554	569	584	589	598	594	633	658	700	682	(727)	689	706	689	647	618	597	596	587	587	600	592	587	622	1	9 37	746	0 40	537	209
14			✓	587	591	601	601	604	610	621	646	648	685	723	733	721	687	664	628	(601	598)	590	597	606	589	601	600	630	1	10 08	749	22 03	582	167
15			✓	597	613	621	617	615	615	619	641	678	683	679	703	697	684	668	644	601	595	591	604	603	589	621	588	632	1	12 04	737	21 18	577	160
16			✓	589	597	602	605	605	608	610	601	627	657	674	706	696	693	669	641	622	607	599	595	596	600	612	599	625	1	11 34	720	0 05	583	137
17				595	600	599	602	603	610	628	639	669	676	679	685	677	645	646	642	632	618	614	611	608	607	607	608	629	0	11 20	700	0 27	592	108
18	✓	✓		609	612	613	614	613	617	627	641	650	672	686	696	694	696	687	664	628	602	594	591	590	587	588	582	631	0	11 54	705	23 55	579	126
19	✓			586	588	596	599	604	611	621	631	645	658	666	668	657	657	672	657	626	601	604	603	607	607	608	605	624	0	14 53	677	0 00	580	97
20				611	611	614	617	617	616	629	638	652	692	700	739	732	722	688	660	637	621	618	619	617	614	616	617	646	0	11 40	764	0 00	606	158
21	✓	✓		617	625	631	635	638	639	634	643	654	668	690	705	706	696	675	663	649	632	623	621	619	619	613	618	646	0	13 14	711	22 48	611	100
22		✓		614	619	621	625	628	632	646	661	683	713	734	743	731	696	663	633	631	632	628	626	624	621	621	614	652	0	12 09	748	23 00	605	143
23			✓	609	641	599	584	591	579	583	598	632	670	696	687	685	656	635	620	610	600	596	598	599	602	600	599	620	1	10 26	715	5 49	574	141
24				601	606	608	608	616	611	625	644	669	696	697	717	701	698	666	626	599	594	594	603	585	572	575	582	629	0	12 01	734	21 58	562	172
25				570	582	596	591	597	603	618	642	665	693	695	678	687	669	641	617	598	588	586	588	603	604	601	600	621	0	10 08	705	0 13	565	140
26	✓			603	606	609	610	617	618	618	632	658	692	710	705	710	696	657	638	617	613	611	603	596	604	607	599	635	0	11 10	720	20 23	592	128
27	✓			612	603	608	615	617	621	632	644	661	697	726	746	740	713	678	653	643	632	629	630	631	626	622	628	650	0	11 52	757	2 01	600	157
28				632	634	631	624	627	635	632	606	625	666	704	750	721	723	703	664	634	630	626	630	620	617	618	607	648	1	11 45	782	7 42	581	201
29				602	600	608	621	623	625	629	638	651	666	684	675	695	688	671	658	645	634	628	624	622	620	619	620	639	0	12 35	700	0 00	597	103
30				624	624	628	619	634	635	641	650	671	702	690	702	725	708	687	666	646	629	623	621	622	621	619	617	650	0	12 44	744	3 58	613	131
31				620	620	622	626	629	627	632	638	641	659	676	697	705	704	685	662	642	628	626	626	617	611	615	617	643	0	13 05	722	21 17	609	113
MEANS ALL DAYS				606	610	613	614	616	618	622	634	656	689	769	724	717	700	675	649	630	618	613	612	611	609	608	605	640						151
MEANS TEN DAYS ✲				610	611	615	617	619	620	627	639	661	694	720	729	721	705	679	652	633	620	616	614	613	613	612	610	644						139
MEANS FIVE DAYS † (G. M. T.)				614	617	621	623	624	626	633	645	663	690	716	727	719	700	677	656	640	627	619 620	617 617	615	614	613	615	646						
MEANS FIVE DAYS ‡ (G. M. T.)				585	599	598	598	601	602	605	624	649	679	691	711	698	685	665	636	610	599	594	607	608	602	603	587	627						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 303

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1929 — JUNE 1929

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				620	622	624	630	631	633	641	644	661	681	714	708	705	690	681	659	642	621	621	623	619	621	617	612	647	0	10 59	751	23 41	607	144
2				627	618	617	616	619	621	630	632	641	665	696	688	699	689	669	654	633	621	618	620	623	622	620	620	640	0	12 29	717	0 07	610	107
3				619	621	619	619	623	627	639	649	656	669	700	692	704	697	667	654	639	624	620	621	620	620	624	622	644	0	10 47	718	2 57	617	101
4	✓	✓		622	623	624	625	627	629	638	647	660	677	695	689	683	681	676	664	640	625	624	623	622	623	623	622	644	0	10 13	702	0 35	619	83
5	✓	✓		623	625	627	628	629	631	634	642	644	663	684	687	687	681	674	664	649	639	633	633	630	626	628	626	645	0	12 22	691	0 13	621	70
6				626	629	628	629	633	636	643	650	657	677	705	724	735	723	696	674	653	640	631	622	614	612	612	612	653	0	12 25	744	21 30	600	144
7				612	608	606	604	609	613	630	649	668	701	733	734	722	705	675	657	640	628	622	620	616	613	622	624	646	0	10 30	738	3 30	602	136
8				627	628	629	628	630	634	642	649	687	692	731	749	709	692	675	642	630	587	583	595	607	609	611	616	645	0	11 01	765	17 53	579	186
9				616	620	623	625	624	623	633	648	681	706	750	743	728	709	650	625	612	606	598	601	626	617	605	602	645	1	10 40	779	18 39	593	186
10			✓	604	619	596	590	592	602	608	613	654	659	684	710	689	656	631	610	614	598	586	598	592	597	595	613	621	1	11 33	735	20 11	573	162
11			✓	596	602	605	605	612	612	608	628	656	707	743	753	726	687	645	619	588	594	610	598	596	616	602	599	634	1	11 05	767	16 43	579	188
12				603	605	604	610	609	608	614	632	656	682	714	726	717	684	665	623	615	607	602	610	605	606	615	616	634	0	11 18	732	18 50	599	133
13	✓			615	616	616	616	616	613	606	617	637	671	696	708	704	698	685	658	630	619	616	618	618	617	617	618	639	0	11 41	716	6 26	599	117
14	✓	✓		619	618	616	616	616	616	627	637	645	648	656	663	670	670	666	654	637	629	624	622	622	619	620	622	635	0	13 34	677	3 50	615	62
15	✓			624	631	626	625	623	625	632	653	674	700	715	712	689	690	679	656	628	611	603	602	603	597	587	587	640	0	10 59	722	22 30	584	138
16				593	594	601	605	611	616	624	648	667	674	681	682	692	667	654	633	623	617	616	617	611	611	611	613	632	0	12 24	698	0 02	588	110
17				616	620	625	627	632	632	642	(655)	670	690	696	720	717	713	695	677	643	631	629	628	630	621	617	618	652	0	12 04	733	23 50	611	122
18	✓	✓		615	616	618	618	620	623	628	637	650	672	688	695	691	674	654	642	636	631	626	622	621	620	621	621	639	0	11 39	697	0 00	613	84
19	✓			623	624	625	628	633	636	647	666	677	697	709	717	720	716	704	687	668	641	632	627	624	625	624	620	657	0	13 03	726	23 31	617	109
20	✓			620	616	623	622	623	625	635	638	662	685	705	735	735	724	680	645	631	629	629	629	628	627	624	627	650	0	11 27	759	1 14	613	146
21				628	627	630	632	633	636	655	683	703	733	747	722	737	677	660	645	630	615	610	609	622	622	615	610	653	1	11 01	759	23 20	605	154
22			✓	602	598	627	609	615	620	632	668	676	714	734	718	705	694	677	625	631	619	607	607	604	602	615	620	642	1	10 13	747	15 29	593	154
23			✓	612	609	624	621	616	617	631	647	674	680	703	703	705	696	686	663	615	597	608	610	599	613	629	633	641	1	11 50	760	20 16	592	168
24				618	613	614	616	620	619	638	640	663	685	677	675	682	677	663	650	632	617	614	611	609	611	608	620	636	1	9 22	708	22 50	604	104
25				622	605	604	611	610	612	623	643	653	676	695	701	697	687	666	633	608	610	615	613	614	614	612	612	635	0	12 16	707	1 58	598	109
26	✓	✓		615	615	614	616	617	618	627	643	666	701	721	727	715	698	678	658	640	627	622	623	622	622	623	625	647	0	11 00	730	0 00	613	117
27	✓			626	628	629	630	633	637	644	662	685	705	698	689	680	657	643	630	618	617	616	616	615	612	610	617	642	0	9 41	711	22 24	608	103
28				617	615	617	620	618	620	613	610	616	618	622	647	661	647	636	624	615	606	604	600	596	597	597	603	617	1	12 07	681	20 47	595	86
29				607	608	610	607	608	613	621	633	653	686	715	731	732	724	701	672	649	631	624	626	621	616	609	602	646	0	11 54	734	23 21	598	136
30			✓	608	608	605	611	610	609	603	597	566	570	627	666	701	687	650	634	598	567	570	551	539	552	561	560	602	1	12 48	711	20 21	535	176
31																																		
MEANS ALL DAYS				616	616	618	618	620	622	630	642	659	679	701	707	705	690	669	648	630	617	614	613	612	613	612	614	640						128
MEANS TEN DAYS ✱				620	621	622	622	624	625	632	644	660	682	697	702	697	689	674	656	638	627	622	622	620	619	618	618	644						103
MEANS FIVE DAYS † (G. M. T.)				619	619	620	621	622	623	631	641	653	672	689	692	689	681	670	656	640	630	621 626	621 625	621	619	619	618	641						
MEANS FIVE DAYS ‡ (G. M. T.)				604	607	611	607	609	612	616	631	645	666	698	710	705	684	658	630	609	595	596	608	613	611	608	609	631						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 304

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1929

JULY 1929

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				569	595	595	597	600	609	629	644	668	696	715	734	729	719	684	643	637	635	630	625	623	612	615	595	642	0	11 50	743	0 00	562	181
2				595	597	598	602	611	617	633	649	666	693	719	726	723	709	689	666	645	632	621	618	620	622	618	621	645	0	12 04	731	0 10	590	141
3				622	626	628	629	632	636	645	669	692	712	738	744	723	705	676	665	654	643	643	640	637	630	625	616	650	0	10 32	761	23 51	613	148
4	✓			616	615	620	624	617	619	633	655	663	685	687	703	704	694	678	662	638	624	617	617	619	619	620	621	644	0	11 50	708	0 06	612	96
5			✓	624	626	629	630	643	645	669	703	729	754	797	782	721	702	678	628	590	577	588	599	599	606	599	596	655	1	11 30	879	17 57	572	307
6			✓	610	602	593	601	613	608	627	648	679	696	720	703	675	662	641	629	617	609	600	593	594	597	611	615	631	1	10 59	752	2 46	584	168
7				602	605	609	615	615	615	628	648	670	697	721	736	734	706	671	639	615	615	614	616	615	612	607	607	642	0	12 01	743	0 19	599	144
8	✓			610	618	615	612	620	622	632	646	668	704	734	745	752	733	693	654	631	621	615	614	616	617	619	614	650	0	12 13	755	0 05	605	150
9		✓		614	613	616	617	618	616	616	625	637	664	692	711	711	713	703	669	637	627	624	623	614	610	610	609	641	0	13 45	718	23 40	606	112
10			✓	605	603	600	605	621	598	619	614	631	681	634	787	687	703	632	614	612	591	563	574	584	571	574	577	620	2	11 36	887	10 10	544	343
11				569	593	596	596	603	596	616	637	636	654	672	665	669	648	638	620	610	598	595	594	586	590	594	596	615	1	10 34	693	0 41	561	132
12	✓			598	595	596	598	601	602	614	630	645	665	681	704	707	695	668	630	611	609	605	600	601	608	600	601	628	0	11 59	717	2 04	596	121
13	✓	✓		604	606	603	602	605	611	624	632	634	652	675	688	685	678	656	647	630	611	599	604	598	606	609	610	628	0	11 33	694	20 06	596	98
14				609	608	614	618	628	629	639	643	656	677	694	725	733	692	635	601	570	546	543	560	535	508	514	511	612	1	11 36	768	21 58	506	262
15			✓	514	571	584	571	573	582	607	618	636	656	676	685	680	663	634	578	555	533	520	547	560	561	572	582	594	1	12 48	737	0 08	508	229
16			✓	576	580	576	584	603	601	599	588	581	578	613	594	611	628	612	587	600	591	584	577	570	578	583	589	591	2	12 40	675	11 59	459	216
17				589	586	585	596	(594)	601	610	607	594	639	649	669	672	669	646	616	602	595	594	595	595	596	596	595	612	1	13 14	691	8 25	577	114
18				596	596	597	602	604	605	611	634	652	672	695	727	718	701	668	643	622	608	601	603	600	599	600	602	632	0	11 50	736	0 22	595	141
19	✓	✓		604	607	608	609	609	609	591	577	591	642	690	710	708	687	660	639	630	624	615	613	610	614	614	614	628	0	11 50	712	7 07	571	141
20				614	615	611	605	617	627	623	635	669	667	665	696	707	696	680	644	615	614	614	609	609	609	614	615	636	1	11 56	711	3 45	602	109
21				614	615	619	624	622	629	634	639	657	682	703	735	736	687	666	650	631	619	614	613	605	608	605	608	642	1	12 16	766	20 35	601	165
22				610	612	616	614	614	621	622	636	647	663	681	700	694	678	675	645	625	617	617	615	614	611	609	615	635	1	11 44	715	0 20	606	109
23				614	614	616	618	619	623	635	654	674	696	719	723	720	682	653	632	623	623	622	616	614	614	613	616	643	0	10 48	734	22 40	611	123
24				614	611	609	617	618	615	611	619	654	678	700	739	748	692	628	619	609	602	605	605	604	607	600	598	633	1	11 53	765	23 49	596	169
25				609	607	606	607	607	611	615	623	635	651	678	708	722	716	685	650	620	609	592	595	602	607	607	613	632	0	12 35	724	18 19	589	135
26	✓			613	613	616	616	616	617	616	614	623	674	712	726	712	688	664	636	621	613	612	608	608	610	613	613	636	0	11 30	730	19 55	606	124
27	✓			613	609	611	615	613	613	628	644	656	683	694	718	722	702	673	652	637	625	617	616	616	617	615	614	642	0	12 01	725	1 10	608	117
28	✓	✓		618	617	613	615	616	622	631	642	664	688	711	730	719	703	677	654	640	633	631	628	626	626	624	622	648	0	11 43	734	2 50	613	121
29	✓	✓		626	625	625	625	629	633	648	663	674	695	722	736	733	715	691	664	645	638	632	631	631	629	628	628	657	0	11 33	740	3 15	624	116
30	✓			630	633	634	633	638	641	653	672	701	713	724	730	721	700	682	664	644	630	624	619	614	631	629	633	658	0	11 04	739	20 35	604	135
31				637	637	635	637	641	642	651	665	677	707	727	751	753	728	698	673	684	663	641	617	595	570	596	594	659	1	11 47	760	20 56	550	210
MEANS ALL DAYS				604	608	609	611	615	617	626	638	654	678	698	717	711	693	666	639	623	612	606	606	604	603	604	605	635						157
MEANS TEN DAYS ✱				613	614	614	615	616	619	627	638	652	680	703	719	716	700	674	650	633	623	617	615	614	618	617	617	642						122
MEANS FIVE DAYS † (G. M. T.)				613	614	613	614	615	618	622	628	640	668	698	715	711	699	677	655	636	627	614 620	612 620	612	613	612	611	639						
MEANS FIVE DAYS ‡ (G. M. T.)				586	596	596	598	611	607	624	634	651	673	688	710	675	672	639	607	595	580	571	589	585	581	583	584	618						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 305

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

AUGUST 1929

AUGUST 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	597	609	607	614	614	623	663	701	662	623	621	607	656	648	621	584	536	507	519	537	556	567	588	580	602	2	7 00	730	17 20	498	232
2				578	600	600	596	599	604	622	628	643	663	687	692	678	661	634	617	602	604	600	596	598	602	605	605	621	0	10 45	699	0 35	573	126
3				607	607	605	612	613	615	628	652	674	684	702	691	690	680	669	641	618	613	610	609	607	614	610	604	636	0	10 44	722	23 45	602	120
4				601	601	610	611	613	615	629	649	672	702	724	751	744	684	648	618	595	584	573	568	569	595	604	605	632	0	12 00	763	20 56	559	204
5				606	609	612	613	615	614	626	651	672	694	717	721	700	675	655	633	618	607	608	607	606	605	607	611	637	0	10 51	751	21 10	604	147
6	✓			611	613	613	614	615	615	615	629	647	677	690	702	702	704	695	669	640	623	619	616	614	613	614	615	640	0	13 18	708	0 10	610	98
7	✓	✓		618	622	622	624	626	627	633	649	677	708	731	742	724	694	665	640	627	624	619	619	615	615	615	616	648	0	11 50	746	21 00	614	132
8	✓	✓		619	620	622	623	624	623	628	640	662	691	720	744	744	729	691	656	640	631	625	622	619	621	621	619	651	0	11 56	749	21 16	616	133
9	✓	✓		619	623	625	628	629	631	635	640	655	676	701	728	751	746	712	670	649	636	634	637	636	636	637	638	657	0	12 46	755	0 00	618	137
10				635	637	637	637	638	640	644	655	679	710	739	760	752	733	697	664	655	654	653	660	661	652	652	656	671	0	11 37	767	0 00	632	135
11			✓	655	656	630	650	643	649	636	641	678	693	753	769	782	728	689	613	612	618	615	612	617	615	615	613	658	1	12 10	824	15 16	595	229
12				617	613	616	617	620	620	628	648	678	709	738	748	729	709	670	640	620	617	617	614	616	615	616	614	647	0	11 35	755	1 24	609	146
13	✓			619	621	621	619	621	625	623	619	624	632	649	660	661	674	665	652	634	623	620	625	622	620	621	621	632	1	13 33	678	7 30	613	65
14			✓	620	620	622	623	624	627	640	668	708	727	771	757	633	596	564	590	567	578	535	522	533	555	546	558	616	2	10 58	815	14 10	444	371
15			✓	560	594	580	583	595	592	604	615	646	682	695	692	689	662	626	621	600	593	588	596	597	592	589	595	616	1	10 39	730	0 04	555	175
16				611	594	605	600	594	603	604	607	642	661	674	691	703	689	(660	639)	614	604	604	606	613	613	606	600	627	1	12 59	715	1 42	588	127
17				600	602	604	604	605	607	620	640	662	687	709	728	722	711	678	655	635	624	602	598	596	592	598	586	636	1	10 59	733	21 14	580	153
18			✓	592	585	594	592	591	598	605	623	641	672	713	739	734	731	664	636	600	592	597	597	594	604	594	599	629	1	11 44	748	1 26	577	171
19				602	601	606	604	607	612	630	654	644	703	694	667	682	669	654	640	625	608	602	599	598	597	594	595	629	1	10 03	723	22 29	593	130
20				596	600	602	603	604	606	632	669	706	739	741	745	716	693	668	643	621	611	610	608	601	595	597	607	642	0	10 53	751	21 55	594	157
21	✓			605	601	605	608	610	613	623	647	681	704	718	730	730	715	689	659	627	607	599	599	597	597	597	600	640	0	11 26	742	21 05	595	147
22	✓			606	607	608	610	610	612	623	644	675	712	734	743	738	711	672	641	627	618	612	609	608	610	608	612	644	0	12 10	744	0 00	604	140
23	✓			614	616	620	622	620	619	625	628	655	684	723	777	792	779	741	690	647	625	621	618	614	612	611	610	657	0	12 33	795	23 30	605	190
24				613	604	609	614	612	619	633	650	673	694	710	714	710	708	692	654	629	624	620	618	618	617	615	615	644	0	11 54	718	1 10	601	117
25	✓	✓		620	620	621	623	624	628	639	652	676	698	723	744	746	733	708	674	647	630	625	624	624	624	624	623	656	0	12 02	750	1 06	617	133
26				622	622	625	627	630	633	637	648	678	711	761	777	787	756	730	699	672	637	620	613	613	607	604	606	663	0	12 43	791	22 21	602	189
27				608	613	613	618	623	625	635	662	681	698	716	725	724	712	689	665	645	627	619	617	614	611	603	610	648	0	12 13	732	22 25	602	130
28	✓	✓		613	618	624	627	631	631	631	629	646	672	692	705	707	682	666	651	641	635	631	629	627	623	622	622	644	0	11 34	709	0 00	612	97
29				623	620	623	623	623	627	640	662	687	715	737	755	744	731	697	682	663	636	627	625	620	617	620	614	659	0	11 18	759	23 40	613	146
30				613	616	616	618	623	629	646	661	671	680	686	690	682	672	665	661	647	631	625	619	608	596	614	620	641	0	10 44	696	21 37	593	103
31				614	618	621	624	627	633	648	655	660	659	670	692	710	686	695	676	647	618	598	594	603	609	611	616	641	1	12 04	723	19 37	592	131
MEANS ALL DAYS				610	612	613	616	617	620	630	646	666	689	711	722	718	700	673	648	626	614	608	607	607	608	608	609	641						152
MEANS TEN DAYS ✲				614	616	618	620	621	622	628	638	660	685	708	728	730	717	690	660	638	625	620	620	618	617	617	618	647						127
MEANS FIVE DAYS † (G. M. T.)				618	621	623	625	627	628	633	642	663	689	713	733	734	717	688	658	641	631	620 627	618 626	616	615	614	615	650						
MEANS FIVE DAYS ‡ (G. M. T.)				605	613	607	612	613	618	630	650	667	679	711	713	699	673	633	609	583	578	571	604	601	598	603	603	628						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

⌈ ⌉ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 306

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1929 — SEPTEMBER 1929

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				617	616	616	626	627	631	648	667	688	706	719	736	730	715	698	657	633	624	622	605	619	618	615	613	652	0	12 04	761	19 22	597	164
2	✓			613	616	616	618	623	626	639	656	682	707	725	744	748	730	715	682	646	625	619	618	619	622	621	621	655	0	12 12	755	0 23	612	143
3	✓	✓		624	624	624	624	626	629	643	668	691	713	732	742	742	719	685	654	639	633	629	625	624	623	623	622	657	0	11 42	748	0 00	619	129
4	✓	✓		622	624	626	626	629	633	649	675	711	736	746	748	740	710	690	665	641	626	621	620	620	620	620	621	659	0	11 54	763	18 58	619	144
5	✓	✓		623	624	626	626	627	631	638	657	691	727	755	764	766	742	702	661	636	632	630	627	626	627	629	629	662	0	12 15	772	0 05	621	151
6				629	629	629	632	636	635	630	633	651	693	727	746	736	717	695	662	635	629	638	634	625	598	557	587	649	1	11 36	756	22 23	544	212
7			✓	588	612	616	607	591	615	605	626	663	713	709	706	682	661	643	618	614	605	594	583	573	591	595	596	625	1	11 20	735	20 37	571	164
8				594	596	600	603	607	608	612	628	666	712	744	766	767	736	697	651	618	600	586	593	595	601	600	609	641	0	11 54	770	18 56	576	194
9				588	595	604	610	633	635	636	656	699	736	773	788	782	744	698	663	613	571	555	571	595	575	584	599	646	1	11 00	801	18 29	552	249
10			✓	609	610	594	585	589	584	575	593	650	701	731	750	712	688	650	597	592	591	578	580	607	591	577	584	622	1	11 50	782	6 47	567	215
11			✓	597	592	601	613	597	594	603	614	657	693	710	688	693	698	685	638	610	581	582	583	594	602	600	599	626	1	10 37	738	18 03	572	166
12				599	595	595	600	606	610	608	626	660	681	707	693	678	668	654	645	624	596	595	581	601	582	584	608	625	1	10 43	730	19 55	570	160
13				587	593	600	603	609	612	607	613	630	679	715	717	710	690	640	640	617	607	600	589	602	587	582	597	626	1	10 42	735	22 20	580	155
14			✓	613	608	602	598	600	613	607	629	659	673	672	689	682	657	643	634	593	593	580	575	605	578	582	589	620	1	11 34	738	19 44	567	171
15				609	600	603	605	604	604	614	627	663	689	724	748	730	687	653	644	633	619	603	593	591	587	592	590	634	1	11 23	766	21 40	582	184
16				603	604	604	604	603	607	625	654	668	(711	729)	719	722	722	677	643	620	611	608	602	599	596	606	592	639	0	[11 10	739]	24 00	589	[150]
17				593	599	606	607	607	610	617	641	673	722	(749	757)	751	710	671	640	622	613	611	610	607	605	611	606	643	0	[10 38	758]	0 00	589	[169]
18	✓			599	604	613	613	611	609	612	636	672	702	735	753	737	709	661	631	614	609	598	594	590	588	591	595	636	0	11 35	758	18 44	595	163
19	✓	✓		598	597	603	608	611	613	629	665	714	757	785	784	758	722	(696	671)	636	615	607	609	611	611	612	612	655	0	11 22	791	0 02	595	196
20				612	611	610	608	615	619	632	670	705	739	750	757	749	706	688	661	635	622	613	603	619	615	616	611	653	0	11 50	770	19 47	600	170
21				617	619	620	625	635	637	646	671	698	730	751	752	711	710	699	672	610	612	609	585	579	544	551	549	643	1	10 43	778	21 51	534	244
22			✓	535	533	547	576	590	603	608	611	625	660	674	708	680	649	618	596	595	591	587	583	589	587	588	590	605	1	11 26	756	0 51	528	228
23	✓			590	590	595	598	600	599	608	644	684	748	754	771	742	694	665	641	606	606	602	600	593	593	592	593	638	0	11 50	780	22 24	586	194
24	✓			598	607	610	612	614	615	621	645	686	729	751	748	711	692	669	653	633	618	602	590	589	597	600	600	641	0	10 58	770	20 11	583	187
25				604	601	606	614	616	614	616	649	660	699	759	781	796	732	702	662	626	604	594	598	602	603	602	606	648	0	12 29	813	18 37	586	227
26				610	612	612	612	612	624	624	651	697	719	740	755	748	713	671	648	624	612	611	609	609	598	597	608	646	0	11 38	762	21 58	583	179
27				609	614	612	616	618	619	619	610	629	644	686	728	733	720	658	628	592	595	600	600	598	602	603	600	631	1	12 19	766	16 34	585	181
28	✓			606	606	606	605	607	609	608	619	649	684	701	706	699	677	659	648	636	620	611	609	609	610	609	607	633	0	10 53	716	0 04	601	115
29	✓	✓		606	607	609	609	608	608	610	641	681	718	742	750	742	718	686	655	637	626	624	621	618	625	625	619	649	0	12 01	763	0 40	606	157
30				622	624	625	625	627	627	631	670	700	749	734	740	717	687	652	644	633	621	615	613	613	612	612	611	650	0	9 37	772	23 52	610	162
31																																		
MEANS ALL DAYS				604	605	608	610	613	616	621	642	673	709	731	741	730	704	674	647	622	610	604	600	604	600	599	602	640						177
MEANS TEN DAYS ✻				608	610	613	614	616	617	626	651	686	722	743	751	738	711	683	656	632	621	614	611	610	612	612	612	649						158
MEANS FIVE DAYS † (G. M. T.)				615	615	618	619	620	623	634	661	698	730	752	758	750	722	692	661	638	626	616 622	613 620	612	613	613	613	655						
MEANS FIVE DAYS ‡ (G. M. T.)				588	591	592	596	593	602	600	615	651	688	699	708	690	671	648	617	601	592	584	592	602	579	570	583	619						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 307

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1929

OCTOBER 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		611	610	611	613	617	614	621	654	711	754	778	776	754	707	652	622	616	617	616	616	615	617	615	616	651	0	10	48	787	2 34	610	177
2	✓	✓		616	616	618	621	624	625	637	673	721	769	793	805	782	728	682	643	625	631	628	625	632	625	604	598	663	0	11	10	821	23 49	595	226
3				601	609	614	615	616	616	625	657	710	769	777	777	763	715	677	652	634	629	625	620	620	609	601	609	656	0	11	00	808	22 42	599	209
4				618	621	625	626	626	609	597	613	673	756	782	780	775	711	642	627	618	613	613	607	609	607	605	607	648	1	9	56	823	6 50	592	231
5	✓			608	608	613	613	622	618	611	631	690	742	786	797	775	715	670	638	626	620	618	619	620	621	623	618	654	0	11	00	804	1 18	604	200
6	✓			606	612	616	616	617	616	610	631	691	753	803	810	787	733	687	649	628	624	623	620	619	618	613	617	658	0	11	31	817	0 24	604	213
7			✓	610	616	627	626	637	610	611	598	574	649	768	739	750	704	681	548	496	544	554	544	545	578	571	590	615	2	10	47	886	16 49	484	402
8			✓	576	569	577	576	580	576	557	559	610	680	712	743	733	713	682	623	598	572	573	569	570	582	587	595	613	1	11	09	787	7 44	545	242
9				580	588	592	587	596	585	569	579	610	659	703	728	753	714	654	614	585	589	579	592	598	589	585	591	617	1	12	30	800	6 39	564	236
10				603	597	592	595	596	592	583	597	650	714	761	787	761	730	661	636	601	601	605	602	593	608	595	591	635	0	11	59	803	6 23	577	226
11	✓			598	596	597	599	600	601	591	595	637	695	758	794	781	762	709	648	622	610	608	600	591	585	582	568	639	0	11	05	805	23 14	564	241
12				576	582	588	595	596	595	585	616	646	652	700	704	716	695	649	615	601	592	591	594	606	579	565	565	617	0	12	43	725	24 00	555	170
13				558	581	582	580	583	573	585	583	619	681	705	723	730	718	686	640	617	607	606	600	594	596	595	585	622	0	11	44	737	0 27	550	187
14				582	584	591	597	598	597	596	629	693	736	735	740	716	681	648	624	607	597	596	598	600	597	595	597	631	0	10	05	752	0 16	578	174
15	✓	✓		595	593	596	598	597	596	608	636	661	706	740	755	768	742	693	650	614	610	614	613	609	608	607	604	642	0	12	25	773	1 50	591	182
16			✓	604	604	603	605	605	605	623	657	677	674	766	760	702	596	473	485	517	520	520	511	531	549	549	564	596	2	11	26	820	14 36	430	390
17			✓	565	564	591	595	601	592	602	628	663	693	700	745	696	665	580	572	563	559	555	540	531	539	538	563	602	1	11	26	804	20 14	520	284
18				570	568	569	571	(580 | 579)	587	615	648	690	700	697	680	679	647	629	603	543	533	524	558	543	526	527	599	1	9	46	716	19 05	521	195
19				540	554	563	574	569	570	576	626	693	725	755	722	667	619	572	579	584	594	600	600	596	597	593	591	611	0	10	40	778	0 00	536	242
20				598	598	597	596	597	604	600	637	679	762	762	789	753	704	644	619	610	597	600	587	580	589	592	600	637	0	11	37	802	20 20	577	225
21	✓			603	599	596	597	600	595	592	620	663	707	723	736	733	700	657	619	599	600	603	606	605	601	608	607	632	0	11	16	742	5 58	590	152
22	✓			605	603	610	609	607	614	601	614	662	695	715	736	730	705	682	649	634	612	598	607	606	610	609	607	638	0	11	31	761	18 02	593	168
23				607	607	605	610	615	615	593	609	648	684	714	734	702	695	683	656	634	601	573	581	577	587	597	602	630	0	11	14	755	18 50	567	188
24				602	607	613	617	618	610	624	625	663	677	705	663	675	657	642	636	629	611	610	601	597	603	597	604	629	1	10	10	720	20 24	592	128
25				607	609	618	615	615	615	614	642	687	688	713	707	691	673	664	637	628	616	611	614	610	613	611	613	638	1	8	47	731	0 30	606	125
26	✓	✓		614	611	612	615	618	615	600	609	639	668	677	683	672	662	655	644	635	623	618	614	610	612	613	615	631	0	11	30	696	6 29	597	99
27	✓	✓		611	610	611	615	617	620	629	655	685	710	726	724	697	663	658	657	643	626	624	622	621	621	620	620	645	0	10	35	735	2 07	609	126
28				621	620	620	619	618	620	631	669	711	739	733	712	690	673	676	673	655	647	629	592	567	595	610	601	647	1	10	07	767	20 07	558	209
29				600	600	603	607	608	611	629	665	720	743	747	727	713	698	679	659	641	626	617	610	615	620	615	627	649	1	8	56	770	0 01	590	180
30			✓	623	609	620	626	635	648	678	713	674	680	723	695	699	672	647	613	593	595	593	586	614	599	601	593	639	1	10	28	786	16 44	573	213
31				594	601	592	597	600	599	592	614	651	669	683	662	659	640	627	610	622	607	607	615	619	621	614	605	621	1	10	46	696	2 30	587	109
MEANS ALL DAYS				597	598	602	604	607	604	605	627	666	707	737	740	726	693	654	625	609	601	598	594	595	597	595	596	632							205
MEANS TEN DAYS ✻				607	606	608	610	612	611	610	632	676	720	750	762	748	712	674	642	624	617	615	614	613	612	609	607	645							178
MEANS FIVE DAYS † (G. M. T.)				609	608	610	612	615	614	619	645	683	721	743	749	735	700	668	643	627	621	611 620	611 618	609	609	608	609	645							
MEANS FIVE DAYS ‡ (G. M. T.)				596	592	604	606	612	606	614	631	640	675	734	736	716	670	613	568	553	558	559	580	584	595	591	600	618							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 308

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1929 — NOVEMBER 1929

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				616	622	624	635	644	638	648	638	663	665	689	704	688	668	663	626	597	571	565	577	580	582	580	573	627	1	11 19	754	18 29	560	194
2			✓	578	577	585	601	593	589	589	628	690	716	692	682	659	629	604	589	595	581	604	581	580	565	540	536	608	1	9 38	731	22 21	519	212
3			✓	540	561	565	558	568	573	549	583	623	666	744	682	678	633	598	527	518	566	565	555	567	582	586	568	590	1	10 34	782	15 56	490	292
4			✓	568	577	578	576	578	581	592	650	711	750	809	785	725	684	623	606	590	577	567	571	575	575	573	576	625	1	10 53	845	18 56	561	284
5			✓	583	586	586	585	586	586	568	603	663	703	751	748	739	697	638	618	609	590	585	581	580	586	581	571	622	1	10 14	773	6 48	555	218
6				579	583	580	579	576	570	583	597	653	677	715	755	706	670	644	609	599	589	589	586	587	585	581	582	616	1	11 27	770	5 34	564	206
7				582	579	581	583	584	599	602	631	665	677	740	707	651	653	602	609	582	579	580	579	581	576	593	590	613	1	10 22	783	17 00	572	211
8				580	576	580	587	596	597	604	633	678	709	733	734	718	689	677	658	647	651	643	636	622	610	611	605	641	0	10 39	744	1 19	573	171
9				607	604	602	604	607	609	613	650	680	685	686	675	675	670	657	626	604	595	594	591	594	595	591	590	625	0	9 13	717	23 35	589	128
10	✓	✓		590	588	587	587	585	580	572	586	628	669	706	730	741	745	723	685	643	614	608	608	610	604	602	604	633	0	13 31	755	6 38	570	185
11		✓		603	602	605	600	597	597	584	604	634	⊠									⊠	615	609	606	598	599							
12	✓			600	604	608	608	609	614	620	644	686	716	733	721	711	678	658	643	635	600	596	604	600	598	599	597	637	0	10 28	739	17 52	587	152
13	✓			604	599	598	598	598	600	613	641	677	704	707	707	676	663	648	636	606	597	592	594	595	595	593	595	626	0	11 43	721	22 50	590	131
14	✓			595	599	605	606	610	619	633	658	686	711	719	686	677	679	674	658	630	601	586	594	590	590	590	595	633	0	10 43	734	18 36	582	152
15				584	595	602	603	598	598	604	632	670	710	724	695	712	700	670	658	627	612	602	598	597	591	586	608	632	0	10 08	752	0 44	578	174
16			✓	602	585	596	589	586	592	600	590	601	703	674	634	660	609	600	584	537	561	578	577	571	569	569	569	597	1	9 30	736	16 47	527	209
17				569	572	577	580	586	591	596	622	658	689	718	710	697	680	661	638	619	604	598	597	595	593	591	591	622	0	10 42	730	0 35	567	163
18	✓	✓		590	591	594	597	601	597	596	606	653	670	703	696	695	685	661	648	625	604	603	604	603	598	599	597	626	0	10 21	712	0 00	588	124
19	✓			599	601	603	603	605	609	612	640	662	691	723	722	712	705	681	650	633	618	614	616	609	606	598	602	638	0	11 31	739	0 00	597	142
20				606	607	611	611	608	610	610	649	669	714	728	694	632	586	554	554	573	586	587	580	589	589	585	581	613	0	10 19	740	13 56	538	202
21				591	595	596	600	605	604	612	646	693	(712	730)	747	741	722	630	607	605	612	618	614	609	612	607	606	638	0	13 19	766	0 00	584	182
22				606	607	607	606	608	603	600	636	680	729	775	773	748	722	667	642	624	612	606	603	605	602	605	607	645	0	10 19	802	6 49	596	206
23	✓			606	609	611	612	611	600	589	588	625	665	698	714	697	687	665	654	627	613	613	614	617	614	615	616	632	0	11 37	725	7 08	574	151
24	✓	✓		614	613	614	615	618	619	622	643	687	719	739	745	738	722	698	674	651	632	623	621	620	620	618	619	654	0	11 22	750	1 10	612	138
25	✓	✓		618	614	612	613	617	614	599	603	625	646	649	653	666	687	686	677	663	645	634	628	626	626	628	626	636	0	13 58	699	6 34	595	104
26				625	624	623	629	635	646	640	661	709	716	722	707	692	722	677	663	649	635	617	593	592	589	592	602	648	1	9 14	772	21 28	583	189
27				599	600	604	606	608	609	615	640	679	704	731	717	654	611	596	593	608	602	599	604	607	608	607	607	625	1	10 28	791	14 03	579	212
28				612	610	609	614	617	631	644	658	689	697	665	652	635	604	608	614	636	628	618	614	617	611	607	610	629	1	8 57	710	13 48	567	143
29				610	608	607	607	607	614	632	646	700	731	740	740	718	664	661	640	627	618	617	617	614	610	613	613	644	0	10 10	762	3 20	604	158
30	✓			611	605	604	607	607	622	650	709	767	818	809	767	708	634	618	625	632	621	612	612	610	610	609	608	653	0	9 42	825	2 00	602	223
31																																		
MEANS ALL DAYS a)				595	596	598	600	602	604	607	631	671	702	722	713	695	672	646	628	613	604	600	598	598	596	595	595	629						181 a)
MEANS TEN DAYS ✲				603	602	604	605	606	607	611	632	670	701	719	714	702	688	671	655	634	614	608	610	608	606	605	606	637						150
MEANS FOUR DAYS † (G. M. T.) b)				603	602	602	603	605	602	597	610	648	676	699	706	710	710	692	671	646	624	607 617	606 615	606	606	604	604	635						
MEANS FIVE DAYS ‡ (G. M. T.)				574	577	582	582	582	584	580	611	658	708	734	706	692	650	613	585	570	575	580	576	580	579	573	572	609						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL DUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPEO
⊠ = NO RECORD

a) Twenty-nine days only, omitting incomplete day November 11

b) Omitting incomplete Greenwich day November 11

TABLE 309

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1929

DECEMBER 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		607	607	610	610	611	626	646	678	721	756	765	751	725	686	663	649	638	632	630	629	631	631	630	626	657	0	10	20 768	1	50 606	162
2	✓	✓		629	622	618	618	622	623	640	681	737	799	811	781	745	696	667	649	637	631	630	627	623	622	617	616	664	0	10	22 817	23	04 613	204
3				615	619	619	621	622	627	634	688	742	811	778	754	707	720	734	653	538	502	519	518	522	534	539	545	632	1	10	12 861	16	48 489	372
4			✓	542	554	582	582	562	593	575	566	606	617	620	591	608	605	583	576	557	543	535	534	548	549	540	554	572	1	9	22 658	19	51 524	134
5			✓	574	572	566	570	562	558	587	601	615	645	678	694	690	662	616	579	565	558	555	547	550	547	545	551	591	0	11	16 716	22	10 540	176
6				552	559	573	570	560	567	564	580	628	670	739	705	695	656	621	598	577	578	574	573	572	574	572	567	601	0	10	04 755	0	06 545	210
7				564	571	572	574	579	581	592	625	680	677	686	664	658	653	634	614	600	588	589	595	595	581	589	572	610	0	9	18 720	0	05 562	158
8				569	573	579	584	584	584	598	603	633	635	717	677	677	657	652	631	606	575	581	Δ						0	10	19 728	0	31 566	162
9																						Δ	591	593	590	589	589							
10				590	594	595	596	600	607	609	644	681	710	696	710	667	667	651	638	613	596	606	607	593	603	601	594	628	0	11	02 759	0	12 588	171
11				604	587	594	594	596	597	605	595	606	641	653	734	708	652	632	646	587	559	563	567	545	565	557	587	607	1	11	08 758	20	25 537	221
12				582	578	586	582	591	600	610	615	638	650	662	680	646	665	638	638	628	609	597	592	593	589	588	586	614	0	11	33 702	1	19 575	127
13				583	584	592	594	595	599	604	618	649	653	661	652	650	635	630	634	636	621	610	607	606	603	600	599	617	0	10	27 706	1	15 579	127
14				599	600	602	605	609	614	624	645	679	(716	741)	750	766	688	628	625	629	624	620	603	601	604	606	606	641	0	[12	10 778]	19	57 597	[181]
15				606	606	604	606	605	611	630	665	693	702	711	692	694	682	654	636	620	610	615	621	618	619	624	622	639	0	10	00 724	2	10 601	123
16			✓	617	616	613	607	609	610	630	656	663	673	649	624	561	593	490	505	530	567	555	559	563	566	571	574	592	*2	8	20 716	14	55 447	269
17			✓	586	593	598	596	583	599	634	658	710	738	766	779	748	680	596	479	523	539	552	572	574	562	552	574	616	1	12	26 833	15	32 401	432
18				574	576	577	572	581	596	607	641	684	747	790	783	739	651	582	558	555	566	589	597	595	592	586	588	622	0	10	40 818	15	40 548	270
19	✓	✓		588	588	584	587	589	598	621	659	711	755	792	793	756	686	617	574	567	579	592	596	597	598	598	599	634	0	10	57 812	15	54 563	249
20	✓	✓		598	601	600	598	597	603	621	653	700	750	783	790	764	717	666	633	611	601	607	608	607	606	605	606	647	0	11	19 799	3	30 596	203
21	✓	✓		606	605	604	605	606	608	610	626	675	728	759	763	744	706	658	631	629	630	625	632	622	614	605	606	646	0	11	15 767	22	47 597	170
22			✓	604	601	596	589	600	612	616	566	616	592	587	748	782	643	657	598	570	564	562	572	578	574	575	575	607	2	12	02 855	9	23 495	360
23				587	586	585	585	587	593	586	588	623	687	739	790	769	756	704	625	611	606	596	595	596	593	591	590	632	0	11	43 824	0	04 579	245
24				591	594	596	595	599	602	599	610	651	682	750	750	738	729	708	692	637	599	593	600	599	595	591	586	637	0	11	33 778	17	52 582	196
25	✓			592	600	605	604	604	607	605	617	644	710	727	778	801	779	760	702	660	622	600	601	604	602	603	606	651	0	11	58 812	0	01 587	225
26	✓			606	606	608	609	609	609	617	637	665	700	714	714	712	702	678	659	642	627	616	608	611	611	608	607	641	0	10	25 739	1	00 604	135
27	✓			607	609	612	607	609	614	622	644	679	698	693	663	610	592	600	617	630	630	620	616	615	612	611	608	626	0	9	32 709	12	55 582	127
28	✓			606	607	608	610	612	621	645	651	694	727	739	721	692	652	630	628	634	627	621	618	614	615	614	616	642	0	10	15 755	0	20 606	149
29	✓			613	608	609	607	611	618	628	646	692	728	742	721	676	618	577	575	596	616	614	607	599	599	601	599	629	0	10	38 752	15	09 565	187
30				595	596	594	594	610	611	621	630	657	706	668	653	667	657	649	639	627	613	616	612	608	608	613	617	628	0	9	30 723	3	47 592	131
31				616	614	610	599	604	619	638	675	734	719	746	726	737	662	620	625	612	598	594	589	588	593	597	597	638	1	12	18 808	20	13 586	222
MEANS ALL DAYS a)				594	595	597	596	597	604	614	633	671	703	719	723	705	672	639	616	602	594	593	593	592	592	591	592	626						205 a)
MEANS TEN DAYS ✻				605	605	606	606	607	613	626	649	692	735	752	748	722	683	652	632	624	620	616	614	612	611	609	609	644						181
MEANS FIVE DAYS † (G. M. T.)				606	605	603	604	605	612	628	659	709	758	782	776	747	698	654	627	616	615	606 617	608 618	608	607	606	605	648						
MEANS FIVE DAYS ‡ (G. M. T.)				585	587	591	589	583	594	608	609	642	653	660	687	678	637	588	547	549	554	552	573	575	576	576	580	599						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 8 and 9

TABLE 310

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JANUARY 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JANUARY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		775	774	775	775	775	777	776	780	779	781	780	772	762	771	773	758	757	762	766	773	774	775	774	773	772	0	9 30	782	16 10	753	29
2	✓			773	773	774	775	776	776	779	790	795	793	793	794	788	789	784	777	771	768	769	774	774	773	772	772	779	0	8 14	796	17 30	766	30
3				771	772	775	774	775	775	774	779	777	778	785	788	783	773	755	766	757	760	765	772	772	771	774	775	773	1	11 40	789	14 25	751	38
4				774	775	773	774	775	776	772	773	776	783	786	783	776	777	770	770	770	771	767	772	772	773	772	770	774	1	10 55	787	18 25	765	22
5			✓	771	773	773	775	777	778	777	782	786	773	768	766	755	745	742	753	764	768	764	770	771	771	772	774	769	1	8 19	789	14 14	739	50
6				775	775	776	774	774	773	773	777	780	782	779	776	767	775	776	775	778	774	771	774	774	774	775	774	775	0	9 00	783	12 36	764	19
7				772	774	775	776	777	776	779	785	784	792	786	770	762	759	769	778	778	778	776	Δ							9 55	795	13 00	755	40
8			✓															Δ	778	779	771	766	766	771	771	773	774							
9			✓	773	772	773	774	774	773	774	779	777	780	786	783	780	783	781	778	775	780	778	777	780	779	778	775	778	1	10 43	788	1 20	771	17
10			✓	776	776	776	777	778	778	783	792	790	791	791	782	762	756	765	761	765	769	769	769	774	775	775	773	775	1	7 20	792	13 04	755	37
11				774	771	774	777	777	773	770	775	780	778	779	763	748	757	762	758	760	769	773	774	775	778	777	775	771	0	8 20	781	12 25	747	34
12	✓			774	774	774	776	778	776	779	783	785	790	797	795	780	776	774	775	778	777	777	779	778	778	778	778	780	0	11 05	798	14 15	772	26
13				778	775	775	777	779	777	773	778	779	786	784	768	751	748	754	762	777	775	775	776	776	777	777	777	773	0	9 40	789	12 55	743	46
14			✓	776	774	776	779	777	776	778	785	789	777	765	777	773	766	768	768	773	768	768	770	773	774	774	774	774	1	8 10	790	10 12	761	29
15				772	773	773	776	777	775	777	789	792	792	(795	794)	778	766	764	772	785	785	777	777	778	778	778	778	779	0	[11 02	798]	13 50	761	[37]
16				778	777	776	779	783	782	784	787	789	796	800	796	785	783	781	768	761	764	766	773	774	775	777	778	780	0	10 20	801	16 15	761	40
17	✓	✓		778	778	780	779	780	779	777	779	782	775	784	780	766	767	764	762	763	769	769	773	775	776	776	774	774	0	10 55	787	16 18	761	26
18	✓	✓		774	775	776	777	779	780	782	792	790	772	774	780	781	774	769	763	761	763	768	775	777	778	777	776	776	0	8 04	795	16 09	760	35
19	✓	✓		776	776	777	778	779	778	778	790	795	798	795	784	774	773	775	774	775	774	772	774	776	776	776	775	779	0	9 55	799	12 46	771	28
20				775	776	777	779	781	780	780	785	794	793	789	778	770	757	740	729	737	752	764	771	774	776	773	772	771	1	8 50	796	15 37	728	68
21				774	776	776	777	778	778	780	787	795	797	799	787	771	768	763	752	758	762	764	771	772	774	774	775	775	1	8 29	800	15 39	751	49
22				776	776	777	779	780	779	779	795	809	822	819	812	795	783	776	767	763	765	768	773	776	776	775	774	783	1	9 23	824	15 53	763	61
23		✓		777	778	778	780	779	779	779	788	796	799	795	788	785	790	788	778	767	764	769	773	775	776	776	777	781	0	9 38	800	17 15	762	38
24	✓			777	778	778	779	780	778	773	767	765	765	771	771	771	772	771	765	759	767	773	777	778	779	780	781	773	0	24 00	782	16 30	758	24
25	✓			781	781	780	780	781	779	782	792	788	787	791	781	782	787	787	779	778	779	775	775	777	777	777	777	781	0	7 38	794	18 40	774	20
26				778	779	780	780	780	779	780	785	784	788	786	782	776	777	767	758	760	764	769	774	775	776	776	777	776	0	9 40	789	15 20	758	31
27				778	779	779	780	781	778	780	791	795	797	798	792	781	787	790	783	780	773	772	775	776	777	779	779	782	0	9 20	798	18 20	771	27
28	✓			779	779	779	780	782	782	780	780	777	770	768	769	768	756	761	761	761	766	769	775	776	777	777	775	773	0	5 05	783	13 40	752	31
29				776	778	779	779	780	780	782	792	795	798	795	789	781	781	783	786	782	779	775	779	778	777	778	778	782	0	8 55	801	12 28	780	21
30	✓			779	779	780	781	782	782	781	783	784	781	784	786	778	771	766	768	771	770	769	776	778	778	778	779	778	0	11 00	787	14 12	765	22
31				780	780	781	781	783	784	781	784	786	786	786	778	772	770	768	758	754	763	769	775	777	778	780	781	776	0	8 04	787	16 10	752	35
MEANS ALL DAYS a)				776	776	777	778	779	778	778	784	787	786	787	783	774	772	770	766	767	769	770	774	775	776	776	776	776						33 a)
MEANS TEN DAYS ✲				777	777	777	778	779	779	779	784	784	781	784	781	775	774	772	768	767	770	771	775	776	777	776	776	777						27
MEANS FIVE DAYS (G. M. T.) †				776	776	777	778	778	779	778	786	788	785	786	781	774	775	774	767	765	766	767 769	773 774	775	776	776	775	776						
MEANS FOUR DAYS b) ‡ (G. M. T.)				774	774	774	776	776	776	778	784	786	780	778	777	768	762	764	765	769	771	770	773	775	775	775	774	774						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days January 7 and 8 b) Omitting incomplete Greenwich day January 8

TABLE 311

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

FEBRUARY 1929

FEBRUARY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			781	780	781	781	782	785	788	801	806	798	788	781	771	755	752	759	764	765	768	775	777	777	778	778	778	1	8 11	807	14 05	749	58
2	✓			780	779	779	781	783	785	791	800	801	792	779	769	768	769	765	762	764	765	771	776	778	779	778	777	778	0	7 50	804	15 20	760	44
3	✓	✓		778	779	780	783	785	787	788	797	803	805	801	797	800	793	785	778	773	776	773	776	779	779	781	782	786	0	9 20	806	16 05	773	33
4	✓	✓		782	783	783	784	785	786	783	785	784	783	783	780	779	782	775	770	771	772	775	778	782	783	784	783	781	0	5 20	786	15 05	770	16
5	✓	✓		782	782	782	783	783	784	783	789	790	793	798	792	786	781	772	763	764	769	772	776	780	781	781	781	781	0	10 25	799	15 35	761	38
6				780	780	780	782	783	780	778	791	796	799	805	804	806	795	793	783	769	763	772	778	778	779	779	781	785	1	11 57	812	17 21	760	52
7				781	781	781	782	784	785	782	786	789	785	783	779	780	788	794	788	773	774	778	781	782	781	781	781	782	0	14 50	795	16 50	768	27
8				782	783	785	786	787	787	783	785	784	784	783	783	781	778	782	782	781	784	779	783	785	784	783	783	783	1	5 00	788	12 57	778	10
9			✓	783	782	784	787	787	786	789	796	800	802	801	796	786	784	788	792	786	781	776	780	780	780	780	778	787	1	8 07	803	18 13	775	28
10				779	782	784	785	787	789	789	796	798	795	789	784	780	774	773	768	771	774	776	781	781	781	781	779	782	1	8 28	801	15 41	767	34
11				779	780	781	784	787	789	790	797	796	795	795	793	789	792	794	788	777	776	776	780	782	782	782	781	786	0	7 30	799	16 30	775	24
12	✓			782	784	786	787	789	789	788	793	791	786	783	782	776	772	766	762	766	771	776	781	781	781	780	780	780	0	7 56	795	15 10	761	34
13	✓			782	782	784	786	786	788	791	799	803	799	795	787	786	785	784	781	778	779	776	780	781	781	782	780	786	0	8 21	804	18 22	775	29
14	✓	✓		781	783	785	787	789	791	789	792	789	786	785	780	779	779	779	781	778	777	779	784	784	784	783	782	784	0	7 40	793	17 29	776	17
15	✓	✓		782	781	783	785	788	788	788	797	802	809	815	814	805	792	784	778	775	776	780	783	784	784	783	783	789	0	10 57	818	16 56	773	45
16				783	783	783	786	786	789	789	790	787	787	787	(789)	787	786	788	784	781	782	787	790	794	793	784	787	787	1	20 10	797	16 30	780	17
17			✓	787	787	791	793	795	795	791	793	795	796	794	800	791	782	777	776	775	783	787	790	791	792	791	796	790	2	11 08	812	16 01	771	41
18			✓	797	795	794	797	798	796	802	816	821	822	816	804	794	787	782	776	772	773	781	779	779	782	785	782	793	1	8 45	822	16 45	769	53
19				779	781	782	784	787	786	786	787	792	791	794	795	792	782	(780	780	779)	773	778	782	784	785	785	784	784	1	11 23	798	[15 42	762	36
20				783	783	786	788	789	788	788	800	811	813	813	814	822	829	827	817	801	791	786	789	788	788	788	786	799	1	13 56	834	0 00	783	51
21				785	787	788	789	792	792	790	795	800	803	800	793	786	788	787	777	771	773	781	783	784	787	789	786	788	0	9 59	804	17 05	770	34
22				784	786	788	786	791	789	790	787	791	794	796	790	792	795	796	786	781	779	780	782	784	784	785	784	788	1	13 40	798	17 17	777	21
23				785	787	788	789	789	788	788	791	794	794	790	789	787	793	799	793	789	784	784	785	785	785	786	789	789	0	14 15	799	17 47	783	16
24	✓			788	787	788	789	789	790	786	787	787	784	783	782	782	786	786	786	786	788	787	787	786	786	787	789	786	0	5 30	790	12 19	780	10
25				789	786	787	789	790	790	787	791	799	799	798	799	799	796	789	783	778	782	784	789	789	788	786	786	790	0	8 25	800	16 35	778	22
26				787	789	789	790	791	791	789	791	790	787	786	787	790	793	796	783	780	779	782	785	785	788	785	790	788	2	14 26	800	17 02	778	22
27			✓	788	787	789	793	792	790	791	799	805	803	796	787	784	781	775	768	767	772	776	783	782	787	783	782	786	2	8 17	807	15 46	765	42
28			✓	780	782	782	784	788	787	790	800	795	795	792	787	775	772	769	772	777	782	785	785	785	785	784	783	784	2	7 24	802	14 50	767	35
29																																		
30																																		
31																																		
MEANS ALL DAYS				783	784	785	786	788	788	788	794	796	796	794	791	788	785	783	779	776	777	779	782	783	784	783	783	786						32
MEANS TEN DAYS ✲				782	782	783	785	786	787	788	794	796	794	791	786	783	779	775	772	772	774	776	780	781	782	782	782	783						32
MEANS FIVE DAYS † (G. M. T.)				781	782	783	784	786	787	786	792	794	795	796	793	790	785	779	774	772	774	775 776	779 779	781	781	782	781	784						
MEANS FIVE DAYS ‡ (G. M. T.)				787	787	788	791	792	791	793	801	803	804	800	795	786	781	778	777	775	778	781	786	787	789	785	788	788						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 312

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1929 MARCH 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				781	784	786	788	793	793	793	799	804	806	802	798	796	789	781	779	776	778	781	784	785	786	785	785	789	0	9 00	808	16 44	772	36
2				785	787	789	790	791	792	794	797	798	798	795	793	790	791	792	788	785	782	780	783	783	784	785	785	789	0	7 40	799	18 20	780	19
3				785	788	789	789	790	790	789	789	792	803	805	802	795	791	778	770	767	770	778	782	784	785	785	785	787	1	9 50	808	16 20	766	42
4		✓		785	788	788	789	792	792	791	798	806	811	816	817	814	806	799	788	780	776	779	783	785	786	787	787	793	1	10 28	818	17 20	775	43
5				786	787	788	787	788	790	787	783	787	787	783	784	787	789	784	777	772	776	783	786	787	788	789	789	785	2	5 30	791	16 30	772	19
6	✓	✓		789	789	791	793	794	792	792	792	795	796	798	798	799	802	800	793	782	776	779	785	786	787	787	788	791	0	13 55	804	17 20	774	30
7				788	788	789	791	791	789	783	780	776	775	775	778	781	784	788	791	786	780	785	787	788	786	789	788	785	0	23 00	794	10 20	774	20
8			✓	786	784	789	792	792	792	791	794	795	799	798	795	796	802	798	793	787	786	786	787	786	787	786	786	791	2	13 35	803	17 10	784	19
9	✓			788	789	791	793	794	795	791	785	786	786	791	788	791	795	792	793	790	788	787	787	787	788	788	786	790	0	4 54	795	9 28	786	9
10	✓	✓		787	789	789	791	794	794	796	797	800	803	804	802	794	784	778	775	776	778	782	784	785	785	785	784	789	0	10 20	805	15 03	774	31
11			✓	786	787	788	790	791	792	793	794	789	790	778	770	774	780	777	771	772	778	781	779	778	779	776	771	782	2	7 00	795	11 06	769	26
12				777	778	776	785	786	790	788	800	796	788	788	776	782	781	783	781	777	783	781	784	785	785	789	793	785	2	7 49	807	11 30	774	33
13				790	790	791	793	793	792	795	800	804	805	804	803	801	794	787	783	782	781	784	788	788	788	787	789	792	1	9 00	806	16 52	780	26
14				789	790	791	791	793	793	796	800	799	796	792	791	790	789	785	781	779	781	784	786	787	786	787	787	789	0	7 40	802	16 20	778	24
15			✓	788	790	791	793	793	793	797	804	805	799	789	790	783	780	777	777	781	784	787	786	786	789	787	790	789	2	7 50	809	15 00	776	33
16			✓	790	790	791	793	795	795	795	801	802	797	791	782	784	777	771	773	(780	783)	784	786	788	788	788	791	788	1	7 43	804	14 20	770	34
17				789	792	791	792	793	792	794	800	803	803	800	792	788	788	781	776	780	783	786	789	791	791	792	792	791	1	7 50	804	15 00	776	28
18	✓			792	794	795	797	796	795	795	794	789	790	795	797	799	800	792	787	782	783	789	790	792	791	793	793	792	0	13 11	801	16 46	781	20
19				793	794	795	796	797	798	792	785	780	778	782	783	785	784	782	783	785	787	790	790	790	791	790	792	788	0	5 12	799	9 30	777	22
20				793	793	793	795	796	796	798	801	802	803	804	813	808	794	783	779	773	777	785	790	789	787	787	791	793	1	11 41	816	16 50	771	45
21			✓	788	789	793	797	798	800	799	801	799	795	789	789	785	783	776	772	775	781	787	790	791	791	793	795	790	1	7 04	802	15 03	772	30
22				792	793	793	794	795	797	794	794	796	798	797	795	797	791	786	783	781	785	791	791	791	791	792	793	792	0	9 02	799	16 45	779	20
23				792	794	795	795	796	797	796	794	789	786	785	785	785	791	786	785	784	786	791	791	793	792	792	794	791	0	5 30	797	10 58	783	14
24				793	795	795	795	796	798	797	792	786	779	776	775	774	779	783	786	789	792	792	791	791	792	794	795	789	0	6 07	799	12 10	772	27
25	✓			797	796	796	796	797	799	803	804	800	793	784	778	774	772	774	778	785	789	791	791	792	791	793	795	790	0	7 00	805	13 59	771	34
26	✓			796	796	796	796	798	800	803	806	807	809	805	797	791	787	783	785	787	787	788	790	791	791	791	794	795	0	9 02	810	14 49	782	28
27	✓			793	796	798	799	799	799	804	808	810	805	797	790	783	773	768	773	780	787	790	791	790	789	790	793	792	0	7 40	810	14 05	768	42
28				795	795	797	797	797	799	801	803	800	792	788	781	777	771	772	778	784	787	789	789	791	790	789	790	790	0	7 20	804	13 42	770	34
29	✓			793	796	797	796	799	799	801	801	797	794	793	790	785	779	778	782	784	787	789	790	791	790	792	792	791	0	7 31	803	13 41	776	27
30	✓	✓		794	796	797	798	799	801	801	802	803	802	801	800	802	799	793	789	785	787	789	790	791	790	790	792	795	0	8 12	804	16 25	785	19
31	✓	✓		794	796	798	799	800	800	805	812	814	812	808	807	803	793	785	783	788	791	792	792	794	795	794	794	798	0	7 50	815	15 05	781	34
MEANS ALL DAYS				789	791	792	793	794	795	795	797	797	796	794	792	790	788	784	782	781	783	786	787	788	788	789	790	790						28
MEANS TEN DAYS ✲				792	794	795	796	797	797	799	800	800	799	798	795	792	788	784	784	784	785	788	789	790	790	790	791	792						27
MEANS FIVE DAYS † (G. M. T.)				790	792	793	794	796	796	797	800	804	805	805	805	802	797	791	786	782	782	785 784	787 787	788	788	789	789	793						
MEANS FIVE DAYS ‡ (G. M. T.)				788	788	790	793	794	794	795	799	798	796	789	785	784	784	780	777	779	782	785	787	787	787	787	788	788						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 313

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

APRIL 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) APRIL 1929

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				799	798	801	800	799	800	801	801	797	793	791	790	786	779	774	779	786	790	794	796	796	796	797	798	793	0	7 00	803	14 10	774	29
2				800	800	801	802	802	803	804	807	805	798	797	798	795	787	774	769	777	788	794	794	795	794	793	795	795	0	7 14	808	15 10	767	41
3				797	801	802	800	800	801	802	806	805	805	802	797	790	784	777	776	780	789	793	794	795	796	795	795	795	0	7 55	808	15 30	775	33
4			✓	795	796	797	797	801	802	808	816	818	819	806	788	776	774	777	780	782	787	792	792	793	794	793	794	795	1	8 00	823	12 40	774	49
5				796	798	799	799	798	799	804	807	806	804	802	797	791	778	770	771	778	786	790	790	792	792	793	795	793	0	7 19	808	14 40	769	39
6	✓			796	798	799	799	799	800	799	797	794	789	787	788	790	791	790	789	790	791	791	791	793	794	794	796	794	0	5 50	801	10 50	785	16
7				797	798	798	799	800	800	801	799	795	787	782	785	786	788	786	788	789	791	791	792	793	793	794	793	793	0	6 00	802	10 50	782	20
8				796	798	799	799	798	799	801	805	804	803	800	802	807	807	809	808	800	796	794	794	794	796	796	796	800	0	15 00	812	18 57	793	19
9	✓	✓		797	799	800	801	802	802	800	796	792	792	795	796	799	802	802	797	796	797	796	796	795	796	796	797	798	0	6 00	802	9 20	792	10
10				797	797	798	799	801	801	798	792	788	786	787	787	789	789	788	792	792	796	797	795	796	795	794	797	794	0	5 50	802	11 10	786	16
11	✓			799	800	801	801	801	802	803	804	803	802	803	803	798	795	794	793	795	798	797	796	796	795	798	798	799	0	7 00	805	13 48	792	13
12	✓			798	799	801	801	802	803	800	798	796	790	787	787	784	782	783	783	788	794	795	795	795	797	796	796	794	0	5 43	803	13 20	781	22
13				798	798	799	800	801	802	809	813	812	805	797	796	797	789	783	779	780	786	791	793	794	796	796	796	796	0	7 29	814	15 40	777	37
14	✓	✓		797	799	801	801	801	802	806	812	811	806	799	798	791	777	770	775	781	789	791	792	795	795	794	795	795	0	7 30	813	14 15	768	45
15				799	800	801	802	802	802	804	805	805	804	801	802	795	789	785	780	785	795	796	795	(793	795)	794	792	797	1	7 55	808	14 36	780	28
16			✓	797	802	805	803	803	803	806	809	815	814	807	801	793	794	789	784	786	794	797	796	797	799	797	800	800	1	7 51	815	15 32	783	32
17			✓	804	803	802	804	804	802	805	811	812	809	798	802	803	794	784	781	784	791	794	796	798	799	799	800	799	1	7 50	814	14 49	781	33
18				801	800	801	802	803	803	806	808	810	808	804	804	806	803	795	789	786	792	796	798	800	799	799	799	800	0	8 37	811	16 10	784	27
19				801	801	803	803	803	803	802	802	803	801	795	791	792	789	785	787	792	795	797	797	799	800	799	800	798	0	4 50	804	14 20	785	19
20	✓	✓		801	801	802	802	802	803	805	804	802	795	787	785	778	774	779	783	790	796	796	796	798	801	799	800	795	0	6 39	806	13 02	773	33
21				799	798	801	802	801	802	806	807	802	792	789	792	796	793	790	793	794	795	799	800	800	801	803	802	798	0	7 05	809	10 24	787	22
22	✓			803	802	802	802	803	804	805	800	792	789	790	791	792	797	802	804	801	800	800	799	801	802	801	802	799	0	6 20	805	10 20	789	16
23	✓	✓		804	804	805	805	805	806	807	805	804	802	799	801	802	799	799	794	794	797	798	798	799	801	801	802	801	0	6 50	809	16 04	792	17
24	✓	✓		802	803	803	804	804	804	805	811	813	811	808	807	809	810	810	808	806	805	803	801	802	801	801	801	806	0	7 45	814	19 40	800	14
25	✓			803	804	805	805	805	806	808	811	809	803	800	799	796	789	787	787	792	797	799	800	801	801	802	802	800	0	7 10	812	14 00	786	26
26				803	803	804	806	806	807	811	816	820	820	815	810	806	797	794	793	791	794	798	799	800	801	802	804	804	0	8 48	822	16 21	790	32
27				805	805	805	805	806	806	808	810	806	800	798	796	797	794	791	790	793	797	798	799	799	801	802	803	801	0	7 25	811	14 10	789	22
28				802	804	805	807	808	806	810	815	817	817	816	814	810	806	806	801	798	799	800	801	803	803	803	805	806	0	8 40	818	16 50	797	21
29			✓	806	806	807	808	809	807	810	816	815	816	814	815	820	819	811	806	803	805	804	804	806	807	807	807	810	1	13 30	822	15 58	802	20
30			✓	807	808	806	807	808	810	810	810	809	811	808	807	802	792	786	789	794	798	799	801	802	802	802	803	803	1	6 45	812	14 39	785	27
31																																		
MEANS ALL DAYS				800	801	802	802	803	803	805	806	805	802	799	798	796	792	789	788	790	794	796	796	797	798	798	799	798						26
MEANS TEN DAYS ✻				800	801	802	802	802	803	804	804	802	798	796	796	794	792	792	791	793	796	797	796	798	798	798	799	798						21
MEANS FIVE DAYS † (G. M. T.)				800	801	802	803	803	803	805	806	804	801	798	797	796	792	792	791	793	797	796 797	796 797	797	799	799	799	799						
MEANS FIVE DAYS ‡ (G. M. T.)				802	803	803	804	805	805	808	812	814	814	807	803	799	795	789	788	790	795	797	798	799	800	799	800	801						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
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( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 314

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1929

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				803	805	805	805	806	808	809	814	816	812	811	813	814	813	809	803	800	800	802	805	805	807	806	807	807	1	8 11	817	16 24	799	18
2				807	807	808	809	809	810	809	809	808	811	818	818	817	808	802	795	794	800	804	804	806	806	808	810	807	1	10 50	820	15 42	793	27
3				808	809	808	808	810	810	810	812	810	807	805	816	823	820	811	800	798	802	804	805	807	808	807	809	809	1	12 40	824	16 00	796	28
4				811	811	811	810	812	811	812	815	813	812	813	814	821	824	819	809	805	805	805	805	807	809	809	809	811	0	13 10	825	16 52	804	21
5	✓	✓		809	809	810	808	809	810	811	810	808	808	810	809	812	810	802	799	801	804	804	805	806	807	807	807	807	0	6 50	813	15 46	799	14
6	✓			807	808	809	810	811	811	813	814	809	806	802	804	802	794	792	793	799	805	805	805	806	806	807	807	805	0	6 37	815	13 54	791	24
7	✓			808	809	808	810	809	812	812	807	798	794	790	789	794	795	794	793	799	803	804	805	807	807	807	807	803	0	6 17	813	11 10	788	25
8	✓			809	810	810	810	811	812	811	805	800	802	808	812	815	819	808	802	803	805	806	807	809	809	809	808	808	0	13 25	819	9 05	800	19
9				811	812	811	810	809	811	814	815	812	808	809	809	812	814	813	811	807	807	807	808	810	811	810	813	811	0	7 05	816	17 06	806	10
10	✓	✓		813	812	812	812	812	812	813	814	812	810	809	805	807	810	806	800	799	803	806	807	809	810	810	809	809	0	7 20	815	16 20	797	18
11				811	811	811	812	812	812	813	815	813	813	815	819	822	827	825	821	812	808	807	807	809	811	811	810	814	0	14 11	828	17 05	807	21
12				810	813	814	814	814	815	815	814	809	805	806	806	800	802	800	798	802	809	809	810	811	812	808	807	808	1	5 46	816	15 18	796	20
13			✓	809	811	814	816	816	819	824	829	818	811	802	(803)	800	798	792	785	790	801	805	804	807	809	809	808	808	1	7 09	831	15 17	785	46
14			✓	810	812	812	812	814	816	817	818	814	815	812	809	817	825	824	817	(811	808)	804	803	803	804	806	805	812	1	14 21	825	19 27	802	23
15			✓	806	808	808	807	809	811	810	807	802	797	803	801	801	804	806	802	796	801	802	804	806	805	806	802	804	1	5 32	812	9 25	795	17
16			✓	805	807	807	808	808	811	815	817	814	806	801	791	793	794	796	794	795	798	799	801	804	806	806	803	803	1	7 11	819	11 58	789	30
17				806	806	807	808	809	811	812	807	798	791	788	785	782	786	792	796	798	800	802	802	803	803	804	806	800	0	6 20	814	12 30	782	32
18	✓	✓		806	806	807	807	808	809	810	807	804	802	802	803	804	811	810	803	800	800	802	804	805	804	806	806	805	0	5 50	811	16 01	799	12
19	✓			806	806	808	808	809	811	810	808	804	799	802	800	807	813	812	806	801	801	804	804	806	807	808	806	806	0	13 50	816	11 22	799	17
20				809	808	809	809	809	810	811	808	805	801	803	807	808	812	814	808	802	802	804	806	808	810	810	810	808	0	14 18	815	9 40	800	15
21	✓	✓		811	811	813	813	813	813	814	815	814	815	817	819	822	820	813	806	807	809	810	811	813	815	815	815	814	0	12 40	823	15 53	804	19
22		✓		816	818	818	818	820	820	822	813	806	804	803	805	809	806	809	809	814	813	811	812	812	814	814	815	813	0	6 13	824	10 37	801	23
23			✓	815	819	812	817	821	816	818	816	812	805	803	804	803	808	813	813	812	811	812	813	815	816	816	816	813	1	4 27	822	10 05	802	20
24				817	818	819	819	820	820	820	819	816	814	813	817	814	818	819	814	810	813	814	814	814	814	817	816	816	0	6 27	822	16 31	809	13
25				815	818	819	819	821	821	823	819	811	802	799	803	807	812	811	812	814	814	814	815	817	816	816	816	814	0	6 30	824	10 05	798	26
26	✓			816	816	818	818	818	817	817	814	807	803	800	803	808	801	801	805	805	810	812	812	814	816	816	816	811	0	5 37	818	10 40	799	19
27	✓			817	816	818	818	818	818	820	819	813	808	800	796	798	797	804	805	803	811	811	813	815	815	814	816	811	0	6 37	821	11 40	796	25
28				817	818	817	816	818	818	820	823	827	823	821	824	821	817	806	796	798	808	812	814	814	816	817	814	816	1	8 17	829	15 31	795	34
29				816	816	819	820	819	819	820	822	824	825	827	834	841	837	832	822	816	813	814	813	814	816	814	814	821	0	12 25	843	17 10	812	31
30				816	817	818	816	819	818	820	823	818	818	815	816	817	816	818	814	809	810	811	813	814	815	815	815	816	0	7 11	824	16 25	809	15
31				815	815	815	816	817	817	820	818	807	809	812	815	814	808	803	800	801	805	806	808	810	811	812	813	811	0	6 43	820	15 36	799	21
MEANS ALL DAYS				811	812	812	812	813	814	815	814	810	808	807	808	810	810	808	804	803	806	807	808	809	810	810	810	810						22
MEANS TEN DAYS ✻				810	810	811	811	812	812	813	811	807	805	804	804	807	807	804	801	802	805	806	807	809	810	810	810	808						19
MEANS FIVE DAYS (G. M. T.) †				811	811	812	812	812	813	814	812	809	808	808	808	811	811	808	803	804	806	806 806 807 808		808	810	810	811	809						
MEANS FIVE DAYS (G. M. T.) ‡				809	811	811	812	814	815	817	817	812	807	804	802	803	806	806	802	801	804	804	807	808	809	809	807	808						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 315

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1929

JUNE 1929

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				813	813	813	814	814	817	820	821	818	817	822	823	827	826	820	809	802	805	808	809	811	812	813	811	815	0	13 44	827	16 40	800	27
2				813	811	813	812	812	813	815	817	817	818	818	821	821	819	819	814	808	807	809	810	811	812	812	812	814	0	11 57	824	17 20	806	18
3				813	813	813	815	813	813	817	817	816	820	831	831	821	816	815	813	808	808	809	811	812	813	814	813	815	0	11 18	833	16 37	807	26
4	✓	✓		814	814	814	814	814	814	816	817	817	817	816	811	811	814	814	804	799	804	807	809	811	812	812	812	812	0	7 28	818	16 10	797	21
5	✓	✓		812	812	813	813	812	812	812	809	807	810	814	815	816	817	817	812	808	809	812	812	811	812	813	814	812	0	13 50	818	16 30	807	11
6				813	813	813	814	815	815	816	818	821	825	827	830	830	826	817	804	802	806	808	810	810	812	810	812	815	0	11 52	832	16 13	800	32
7				812	811	812	811	813	814	816	809	800	794	799	803	807	810	810	804	800	804	809	810	812	812	814	813	808	0	6 20	817	9 40	793	24
8				813	813	814	813	814	815	816	817	814	806	808	806	812	812	809	811	811	806	810	812	813	813	813	814	812	0	7 00	818	11 19	805	13
9				814	814	813	814	814	814	817	817	813	810	806	805	802	797	793	796	803	807	808	811	814	812	812	813	809	1	6 50	818	13 55	792	26
10			✓	813	813	811	812	813	814	817	817	815	808	805	801	796	795	797	801	808	811	809	811	811	812	811	813	809	1	7 10	818	12 40	794	24
11			✓	811	813	813	813	814	815	817	818	816	814	809	808	812	805	799	799	800	807	808	809	811	813	811	811	810	1	6 42	819	14 20	798	21
12				812	812	813	813	813	813	814	815	813	812	810	811	811	805	803	802	803	807	808	810	812	812	810	812	810	0	7 20	816	14 20	802	14
13	✓			810	812	812	812	812	812	815	820	821	818	817	814	811	809	797	791	790	800	806	809	810	810	810	809	809	0	8 10	823	16 20	789	34
14	✓	✓		810	810	811	811	812	812	812	815	816	815	817	814	816	814	805	802	802	804	807	809	810	812	812	812	811	0	10 10	819	15 50	800	19
15	✓			812	812	811	812	812	813	813	815	816	815	819	816	812	807	798	795	797	806	806	808	810	810	810	810	810	0	10 30	819	15 40	794	25
16				810	810	812	811	812	814	814	813	810	809	809	812	815	818	818	809	804	807	807	809	810	812	812	811	811	0	13 50	821	16 30	803	18
17				812	813	813	813	814	814	816	(817)	818	820	822	821	823	815	812	810	800	803	809	811	813	814	816	813	814	0	12 24	825	16 30	798	27
18	✓	✓		812	813	813	814	815	815	816	818	814	817	813	815	818	816	817	816	815	811	812	813	814	814	814	814	815	0	7 14	819	17 38	810	9
19	✓			814	814	814	815	815	816	816	814	810	807	810	820	822	813	802	800	797	802	807	810	812	814	815	815	811	0	12 15	824	16 20	795	29
20	✓			814	814	815	815	815	815	816	814	813	813	813	809	808	809	809	804	806	810	811	810	811	812	813	813	812	0	6 05	817	15 29	803	14
21				813	813	813	814	815	815	817	814	806	802	802	800	798	795	799	802	802	805	806	808	810	811	811	811	808	1	6 44	819	12 52	792	27
22			✓	811	812	814	810	814	816	815	813	803	795	790	792	795	797	799	799	803	805	807	809	810	810	810	811	806	1	2 15	816	10 40	788	28
23			✓	810	811	813	813	813	814	814	814	810	808	802	801	807	807	807	799	795	801	809	810	811	812	812	813	809	1	5 59	815	16 30	793	22
24				812	811	814	815	815	815	818	816	813	809	809	815	816	817	814	809	805	806	809	811	812	814	813	814	813	1	6 39	820	16 56	804	16
25				812	811	814	814	814	815	817	818	812	809	807	803	807	818	816	809	807	810	811	811	812	813	813	813	812	0	6 55	819	11 46	802	17
26	✓	✓		813	813	813	815	815	815	819	820	817	812	812	812	808	808	805	803	803	807	808	809	810	810	811	812	811	0	7 04	822	15 55	801	21
27	✓			812	813	813	814	815	815	816	818	811	804	805	803	804	812	811	810	804	806	807	809	809	810	812	813	810	0	7 06	820	12 00	800	20
28				812	811	813	814	814	814	814	817	813	809	807	803	796	794	800	795	793	801	806	809	811	812	812	813	808	1	7 30	819	13 03	793	26
29				813	813	813	812	813	813	814	811	809	807	806	806	804	797	799	804	802	805	809	810	812	813	811	811	809	0	5 03	814	13 23	795	19
30			✓	813	813	813	814	814	814	815	820	821	822	821	820	810	800	801	806	804	809	811	813	813	817	817	815	813	1	9 02	823	13 55	797	26
31																																		
MEANS ALL DAYS				812	812	813	813	814	814	816	816	813	811	812	811	811	810	807	804	803	806	808	810	811	812	812	812	811						22
MEANS TEN DAYS ✱				812	813	813	814	814	814	815	816	814	813	814	813	813	812	808	804	802	806	808	810	811	812	812	812	811						20
MEANS FIVE DAYS † (G. M. T.)				812	812	813	813	814	814	815	816	814	814	814	813	814	814	812	807	805	807	808 809	810 810	812	812	813	812	812						
MEANS FIVE DAYS ‡ (G. M. T.)				812	812	813	812	814	815	816	816	813	809	805	804	804	801	801	801	802	807	809	810	811	812	811	812	809						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 316

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1929 — JULY 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				817	818	817	817	819	820	823	816	804	794	789	789	789	787	783	791	800	806	809	811	812	812	813	810	806	0	6 25	824	14 24	782	42
2				813	813	815	815	815	816	818	815	811	804	796	799	801	790	793	795	797	804	808	810	812	813	812	813	807	0	6 20	819	13 25	788	31
3				813	813	813	813	815	816	817	815	810	807	806	804	805	810	807	804	805	807	810	811	813	812	812	812	810	0	6 34	819	12 06	803	16
4	✓			812	811	812	812	813	813	816	813	801	790	788	796	801	797	791	792	795	805	810	810	811	811	811	812	805	0	6 20	817	10 05	786	31
5			✓	811	812	812	812	815	815	818	818	811	802	796	784	794	797	798	793	798	806	809	810	811	812	812	811	807	1	6 20	819	11 44	778	41
6			✓	812	807	810	814	814	816	820	818	809	805	806	809	812	818	824	818	811	810	810	811	813	814	815	814	813	1	14 30	824	9 30	804	20
7				814	815	815	815	815	816	817	814	810	807	809	811	809	804	802	802	805	810	811	812	812	813	814	814	811	0	6 20	818	13 16	802	16
8	✓			814	815	815	815	817	817	819	821	818	819	819	817	808	799	801	797	799	805	809	809	812	812	812	812	812	0	7 10	823	15 30	796	27
9		✓		812	814	815	816	816	815	820	828	830	826	820	818	817	812	805	804	804	806	809	810	810	811	813	813	814	0	8 10	831	14 50	802	29
10			✓	812	813	813	814	817	814	821	819	818	816	823	818	811	789	782	797	804	804	807	810	815	814	814	814	811	2	10 17	830	14 00	780	50
11				814	819	816	817	819	816	821	816	815	816	813	809	807	801	800	801	806	811	812	811	813	814	814	813	812	1	6 19	824	14 21	798	26
12	✓			813	812	813	814	814	816	817	816	813	814	813	809	812	806	810	809	810	809	810	811	812	813	814	814	812	0	6 43	818	13 43	804	14
13	✓	✓		814	815	816	816	816	816	818	819	823	826	825	824	819	814	805	801	801	805	811	813	814	815	815	815	815	0	9 45	828	15 30	800	28
14				815	815	815	817	817	817	818	815	813	816	817	819	820	816	808	810	808	810	812	814	810	812	815	814	814	1	11 38	821	14 30	807	14
15			✓	814	821	816	818	817	819	824	823	820	816	813	816	820	812	804	799	800	808	810	817	817	817	818	818	815	1	6 20	826	15 08	796	30
16			✓	816	816	816	818	819	819	822	826	828	822	813	810	816	805	799	805	802	801	799	801	803	805	806	807	811	2	8 50	832	18 10	799	33
17				809	809	809	809	(811)	811	813	824	831	832	840	837	830	819	807	803	802	805	807	809	811	811	812	812	815	1	10 30	841	16 10	801	40
18				813	814	814	814	814	814	813	813	813	807	800	807	813	810	805	800	797	801	805	808	809	811	812	812	809	0	6 01	814	16 10	796	18
19	✓	✓		812	812	811	812	812	812	813	823	826	823	824	826	832	826	815	806	801	802	806	809	810	811	811	811	814	0	12 49	834	16 41	799	35
20				811	812	811	811	813	814	814	816	811	805	802	807	805	797	796	798	799	801	805	806	809	808	809	809	807	1	7 05	818	13 43	793	25
21				810	811	812	812	812	814	814	812	805	797	793	794	798	804	800	791	794	801	806	807	807	810	809	810	805	1	5 08	815	15 59	789	26
22				810	811	811	811	812	811	811	813	809	799	796	800	801	802	789	787	794	803	806	807	809	809	809	810	805	1	4 30	813	15 00	784	29
23				811	811	812	812	812	813	814	811	803	797	798	800	798	796	798	801	806	808	807	808	810	810	810	810	806	0	6 16	815	12 46	793	22
24				810	809	810	811	811	811	813	815	814	811	808	804	798	785	789	797	801	806	807	808	810	810	809	809	806	1	7 05	815	13 20	783	32
25				809	809	809	810	810	811	813	815	815	812	819	821	818	807	795	789	790	800	805	810	811	811	810	811	809	0	10 40	822	15 55	787	35
26	✓			811	812	812	812	812	813	816	821	820	820	813	808	815	814	808	804	806	810	811	810	811	812	813	813	812	0	7 50	821	15 10	803	18
27	✓			812	811	812	813	813	814	813	813	812	812	812	820	817	807	802	803	802	802	806	808	810	812	811	811	810	0	11 45	823	17 24	801	22
28	✓	✓		811	813	813	813	814	814	817	818	823	821	820	816	812	808	802	800	801	805	810	810	812	813	813	813	812	0	8 20	824	14 50	798	26
29	✓	✓		814	814	814	815	816	816	816	810	807	808	809	812	815	814	813	807	803	807	811	813	814	815	816	816	812	0	6 13	819	16 30	803	16
30	✓			816	817	818	818	819	820	823	823	813	804	808	812	819	822	819	812	809	813	814	817	819	821	821	822	817	0	6 56	824	9 30	803	21
31				822	822	822	823	822	824	827	824	817	818	824	827	821	811	814	811	812	814	818	821	822	823	826	826	820	1	22 10	829	15 53	809	20
MEANS ALL DAYS				813	813	814	814	815	815	817	818	815	811	810	810	811	806	802	801	802	806	809	810	812	812	813	813	811						27
MEANS TEN DAYS ✲				813	813	814	814	815	815	817	818	816	814	813	814	815	811	807	803	803	806	810	811	812	814	814	814	812						24
MEANS FIVE DAYS † (G. M. T.)				813	814	814	814	815	815	817	820	822	821	820	819	819	815	808	804	802	805	808 809	809 811	811	812	812	812	813						
MEANS FIVE DAYS ‡ (G. M. T.)				813	814	813	815	816	817	821	821	817	812	810	807	811	804	801	802	803	806	807	812	812	813	814	814	811						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 317

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1929 — AUGUST 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	826	824	824	827	826	827	834	827	814	814	817	821	824	817	818	814	809	815	823	824	827	827	826	826	822	2	6 20	839	16 55	808	31
2				827	830	829	829	830	830	833	833	831	831	832	823	816	818	820	816	814	818	821	823	824	824	826	826	825	0	6 50	835	16 39	813	22
3				827	827	827	829	829	830	829	824	812	805	804	810	820	816	816	815	814	823	823	824	825	826	825	825	821	0	5 56	831	10 53	803	28
4				825	826	827	828	829	830	832	830	820	808	797	799	798	803	812	815	816	817	818	820	821	824	823	825	818	0	6 04	832	10 40	795	37
5				824	824	825	826	826	826	826	826	821	815	812	812	811	810	812	814	815	816	819	820	822	822	823	823	820	0	6 00	827	13 07	809	18
6	✓			823	825	825	826	827	827	826	832	836	838	839	839	835	830	833	826	818	818	821	821	822	824	824	825	828	0	9 51	840	17 00	816	24
7	✓	✓		824	825	825	826	826	827	830	[illegible]	831	825	821	822	821	825	826	825	822	820	822	823	824	823	824	825	825	0	7 38	833	17 22	819	14
8	✓	✓		826	826	826	826	826	827	828	829	829	826	816	808	812	813	811	810	813	819	821	821	821	822	823	823	821	0	8 10	832	11 21	807	25
9	✓	✓		824	825	825	825	826	826	827	827	829	833	833	832	828	816	805	807	810	815	819	822	823	823	824	824	823	0	9 59	836	14 23	804	32
10				824	824	825	825	826	826	826	828	831	834	836	839	834	829	826	822	818	820	822	823	824	824	824	824	826	0	11 30	840	16 20	817	23
11			✓	824	823	823	825	823	826	825	827	825	818	815	819	816	808	811	816	818	820	820	821	822	822	822	823	820	1	7 47	831	13 45	805	26
12				823	823	823	824	824	825	826	826	821	819	814	811	808	810	810	808	811	816	820	821	822	824	824	824	819	0	6 09	827	12 34	807	20
13	✓			825	825	825	824	825	825	826	830	830	830	836	840	841	835	833	828	823	821	822	822	823	823	824	824	828	1	12 11	842	17 40	821	21
14			✓	825	825	825	825	825	826	828	827	819	817	816	804	807	812	821	819	817	818	815	818	820	821	820	821	820	2	6 35	829	11 36	800	29
15			✓	821	825	822	823	825	824	830	836	834	835	830	828	822	813	809	807	812	816	817	818	820	818	820	822	822	1	7 10	838	15 13	806	32
16				822	820	822	822	824	825	827	828	824	823	822	827	825	819	(816	819)	821	824	824	824	826	827	827	827	824	1	7 16	830	[14 10	816	14]
17				828	828	828	829	830	830	830	827	826	829	830	833	827	822	820	817	814	817	820	822	821	824	823	823	825	1	11 22	834	16 10	813	21
18			✓	823	823	827	827	828	831	830	825	816	811	807	805	805	810	813	816	821	822	825	825	825	826	825	825	820	1	6 16	833	12 01	803	30
19				826	826	828	828	829	830	831	823	815	807	804	812	816	814	813	814	818	823	825	824	824	825	826	826	821	1	6 19	833	10 10	802	31
20				828	828	829	829	829	830	833	831	825	818	811	805	799	806	812	810	813	817	821	821	821	822	824	824	820	0	6 16	835	12 40	798	37
21	✓			824	825	826	826	828	829	829	827	822	819	817	817	816	816	814	811	813	817	822	823	823	826	826	826	822	0	6 11	830	15 04	810	20
22	✓			826	827	827	827	828	829	829	827	825	821	814	808	808	813	820	823	823	824	822	820	822	823	823	824	822	0	6 20	831	11 30	807	24
23	✓			826	826	827	828	828	829	830	826	819	806	792	784	784	792	802	807	810	816	818	818	820	821	821	822	815	0	6 22	831	12 15	781	50
24				822	823	824	827	829	829	832	831	822	818	817	813	811	817	819	817	820	822	820	820	821	822	822	822	822	0	6 16	834	12 06	810	24
25	✓	✓		823	824	825	825	826	827	830	830	829	829	829	827	821	815	811	808	812	816	819	820	821	823	823	823	822	0	6 18	831	15 20	807	24
26				823	825	825	826	827	828	829	836	840	841	844	845	842	832	819	812	813	817	822	823	824	823	825	825	828	0	11 51	846	15 55	810	36
27				826	828	828	829	830	831	832	828	827	831	825	820	815	808	810	815	816	818	821	822	822	822	823	824	823	0	6 10	832	13 50	807	25
28	✓	✓		825	826	827	827	829	829	831	836	835	833	834	832	828	820	813	815	818	822	823	824	823	824	825	825	826	0	8 02	838	14 56	812	26
29				825	826	827	827	827	828	828	822	817	810	805	805	806	808	814	823	820	818	821	823	823	824	824	824	820	0	6 06	829	11 05	803	26
30				825	825	826	827	827	829	828	826	823	823	828	830	836	837	832	827	823	822	823	824	824	824	827	826	827	0	13 10	839	16 50	819	20
31				828	828	828	828	829	831	832	828	822	818	815	814	814	817	811	814	817	814	816	820	822	822	823	824	813	1	6 10	834	14 40	809	25
MEANS ALL DAYS				825	825	826	826	827	828	829	829	825	822	820	819	818	816	816	816	816	819	821	822	823	823	824	824	822						26
MEANS TEN DAYS ✻				825	825	826	826	827	828	829	830	828	826	823	821	819	818	817	816	816	819	821	821	822	823	824	824	823						26
MEANS FIVE DAYS † (G. M. T.)				824	825	826	826	827	827	829	831	831	829	827	824	822	818	813	813	815	818	821 821	821 822	822	823	823	824	823						
MEANS FIVE DAYS ‡ (G. M. T.)				824	824	824	825	825	827	829	828	822	819	817	815	815	812	814	814	815	818	820	821	822	823	823	824	821						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 313

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

SEPTEMBER 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) SEPTEMBER 1929

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				825	825	826	826	826	828	828	824	820	812	810	813	821	827	825	825	824	824	824	823	826	827	828	828	824	0	6 00	831	10 09	809	22
2	✓			828	828	829	829	830	830	829	823	817	816	820	826	830	830	828	828	824	823	823	824	825	826	826	828	826	0	4 55	831	9 24	816	15
3	✓	✓		829	828	828	829	830	830	825	820	817	815	821	830	839	843	835	830	826	825	826	825	826	827	827	828	827	0	13 30	845	9 20	815	30
4	✓	✓		828	827	828	828	830	830	830	824	821	819	818	821	825	831	827	819	817	819	824	824	824	825	825	827	825	0	6 00	832	16 08	816	16
5	✓	✓		828	828	820	829	829	830	831	833	835	833	829	825	827	824	819	816	815	820	822	823	824	825	827	827	826	0	8 10	836	16 35	814	22
6				827	828	828	829	829	830	832	836	843	846	845	843	848	841	833	828	824	825	826	826	824	823	821	825	832	1	12 31	849	21 00	821	28
7			✓	826	827	828	827	828	832	838	845	842	836	822	816	821	826	824	820	818	822	824	824	825	828	827	827	827	1	7 40	847	11 30	815	32
8				827	828	829	830	831	831	833	836	839	842	844	841	835	824	814	814	812	819	821	822	825	826	825	824	828	0	10 20	845	14 40	812	33
9				823	826	826	827	831	831	831	833	829	821	818	819	823	816	815	819	820	820	822	826	827	825	827	827	824	1	7 10	833	14 09	813	20
10			✓	828	824	827	826	830	833	836	837	832	823	814	808	799	796	792	796	809	818	822	822	824	821	822	822	819	1	7 04	839	14 30	791	48
11			✓	823	823	825	827	827	831	833	830	820	804	800	799	804	806	802	805	811	817	821	822	824	824	824	823	818	1	6 20	834	10 58	796	38
12				823	823	825	827	828	830	831	829	826	819	818	818	818	819	816	815	818	819	820	820	823	822	823	823	822	1	6 00	832	15 01	814	18
13				822	825	827	827	827	830	827	830	830	829	826	827	830	828	830	829	823	820	822	822	823	821	822	824	826	1	14 50	833	17 59	819	14
14			✓	827	823	824	827	829	831	830	830	824	819	817	824	827	825	821	819	818	818	821	(821)	△					1	5 10	832	9 52	816	16
15																																		
16																																		
17														△	807	811	812	808	805	804	807	811	813	815	815	816	816							
18	✓			817	819	820	821	822	822	822	826	831	828	825	829	833	836	837	834	826	821	816	817	817	817	818	819	824	0	15 02	838	0 00	815	23
19	✓	✓		819	819	822	822	823	826	827	830	832	827	822	828	830	820	(814	813)	810	813	817	818	818	820	821	821	821	0	7 50	832	[16 02	809	23]
20				820	820	821	823	825	829	830	827	817	805	801	798	801	795	793	796	802	812	817	818	820	818	819	819	814	0	6 10	832	14 07	792	40
21				820	822	822	823	824	826	820	814	808	798	796	798	804	806	803	804	810	820	820	818	817	815	819	818	814	1	5 38	827	10 10	795	32
22			✓	818	820	822	827	829	831	836	840	837	836	831	835	828	815	811	814	817	823	825	826	827	827	828	828	826	1	7 27	841	14 23	810	31
23	✓			827	828	828	830	831	832	833	831	824	818	814	820	825	821	816	814	817	822	826	827	827	827	826	827	825	0	6 00	834	15 57	813	21
24	✓			828	832	833	833	834	834	833	829	823	824	828	834	834	829	826	825	825	823	826	827	830	831	831	830	829	0	4 40	834	9 10	822	12
25				831	831	831	831	832	832	832	833	831	826	828	821	816	812	816	822	820	824	826	829	831	832	832	832	827	0	5 19	834	13 05	811	23
26				832	832	833	834	835	836	833	825	817	814	814	815	815	813	816	822	826	829	829	831	831	830	830	832	826	0	5 02	837	11 00	813	24
27				832	832	832	833	833	835	837	834	833	833	837	838	837	832	830	829	830	831	831	832	832	833	834	833	833	1	7 20	838	15 47	828	10
28	✓			835	835	834	834	834	835	838	839	835	832	834	839	843	840	836	830	825	825	828	830	830	832	832	832	834	0	12 33	844	17 04	824	20
29	✓	✓		832	833	834	835	836	837	836	834	830	826	829	836	847	848	838	832	829	829	833	834	834	835	835	835	834	0	13 08	852	9 50	826	26
30				835	835	835	836	836	837	835	832	828	829	832	839	845	846	844	839	834	832	832	834	835	835	835	835	836	0	14 09	847	9 42	827	20
31																																		
MEANS ALL DAYS a)				826	827	828	829	830	831	831	831	828	823	822	824	826	824	821	820	820	822	824	825	826	826	826	827	826						a) 24
MEANS TEN DAYS ✲				827	828	828	829	830	831	830	829	826	824	824	829	833	832	828	824	821	822	824	825	826	826	827	827	827						21
MEANS FIVE DAYS (G. M. T.) †				827	827	828	829	830	831	830	828	827	824	824	828	834	833	827	822	819	821	823 824	824 825	824	825	826	827	827						
MEANS FIVE DAYS (G. M. T.) ‡				824	823	825	827	829	832	835	836	831	824	817	816	816	814	810	811	815	820	823	823	823	821	822	823	822						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-six days only, omitting incomplete days September 14 to 17

TABLE 319

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		835	836	837	837	838	838	836	833	828	821	824	831	835	834	835	834	831	831	835	836	836	837	836	836	834	0	4 30	839	10 00	820	19
2	✓	✓		837	838	838	839	840	840	838	834	833	831	833	844	841	835	830	832	829	831	835	835	835	834	834	833	835	0	11 29	845	16 26	828	17
3				835	837	837	837	837	838	841	840	834	829	828	829	833	830	827	826	828	830	833	834	834	832	832	835	833	0	6 40	843	11 09	826	17
4				836	837	837	838	839	840	848	857	856	850	845	846	839	829	830	832	832	832	834	835	835	835	836	836	839	1	7 38	860	13 27	827	33
5	✓			836	837	837	838	840	839	840	836	828	823	823	821	820	819	822	822	830	834	835	836	835	835	835	835	832	0	6 18	841	12 30	819	22
6	✓			834	835	836	837	838	840	842	843	840	836	835	831	830	831	831	833	833	833	833	834	834	834	834	834	835	0	7 18	845	11 40	829	16
7			✓	834	834	836	837	839	839	841	836	840	835	840	839	833	826	825	813	820	830	833	831	831	833	831	833	833	2	8 35	844	15 11	812	32
8			✓	831	832	834	835	838	840	850	857	844	837	840	836	828	819	819	814	816	822	826	828	828	828	829	830	832	1	7 19	875	15 37	813	62
9				829	832	832	834	837	838	840	849	845	840	839	838	831	824	819	818	821	825	826	830	830	829	829	829	832	1	7 19	850	14 59	816	34
10				831	830	832	835	836	836	835	834	830	828	834	833	821	820	820	823	824	829	832	831	830	831	829	830	830	0	5 00	838	12 20	819	19
11	✓			831	831	832	833	835	835	838	842	837	836	843	844	835	827	822	819	820	822	825	827	828	829	827	829	831	0	11 01	845	15 36	818	27
12				830	831	833	834	835	835	835	833	825	824	832	829	828	827	826	820	819	822	826	828	829	826	826	826	828	0	7 08	837	15 51	818	19
13				827	830	830	832	833	833	839	839	834	829	828	826	820	812	805	804	811	819	821	827	827	827	829	829	825	0	7 20	844	14 41	803	41
14				828	830	831	831	831	832	833	836	832	821	819	817	808	806	811	816	819	822	828	829	829	830	830	830	825	0	7 21	837	13 00	804	33
15	✓	✓		830	831	831	832	833	834	832	828	824	822	818	816	817	814	813	813	813	818	825	827	827	828	830	829	824	0	5 25	835	13 20	813	22
16			✓	829	830	831	832	833	832	831	829	827	834	835	823	818	819	827	832	825	824	827	825	825	824	825	826	828	2	14 55	837	11 46	817	20
17			✓	827	828	830	832	833	830	831	833	844	847	849	847	842	837	829	821	816	822	827	827	827	827	826	829	832	1	11 24	852	16 08	816	36
18				833	835	837	839	(838	838)	838	839	837	834	833	833	825	818	812	811	811	814	820	824	828	825	824	825	828	1	3 42	839	14 42	811	28
19				827	828	831	832	832	833	832	826	821	820	816	807	801	808	814	819	819	824	828	829	828	829	829	827	823	0	4 50	833	12 30	800	33
20				829	830	832	833	835	836	838	836	832	828	822	821	817	816	817	819	819	823	827	826	826	828	830	830	827	0	6 51	841	13 30	814	27
21	✓			830	831	832	834	833	835	835	834	833	834	834	830	825	824	824	820	822	826	827	828	827	828	828	828	829	0	6 00	835	15 40	819	16
22	✓			829	829	830	830	832	836	838	841	842	842	838	833	828	825	822	820	820	822	826	828	828	829	829	829	830	0	9 00	844	15 25	820	24
23				828	828	829	832	833	834	835	836	838	839	833	823	815	811	813	809	811	815	821	826	826	828	829	827	826	0	9 23	840	15 49	808	32
24				827	829	830	831	832	832	831	832	830	830	829	824	831	835	835	834	831	832	831	830	831	831	830	830	831	1	15 02	837	11 10	822	15
25				830	830	832	833	832	832	833	834	833	835	837	835	830	824	820	815	822	825	828	829	829	830	830	830	830	1	9 45	838	15 20	815	23
26	✓	✓		829	830	831	832	833	833	837	839	842	845	840	836	833	836	838	832	830	830	832	832	833	833	833	833	834	0	9 16	847	16 15	829	18
27	✓	✓		833	834	834	835	836	836	831	825	821	821	821	822	824	825	821	815	812	817	826	828	829	829	830	830	826	0	5 20	837	16 10	811	26
28				830	830	831	832	833	833	827	826	824	829	831	831	836	836	835	829	822	826	827	826	826	830	832	829	830	1	13 50	838	16 20	820	18
29				828	830	830	832	833	831	830	832	831	830	833	833	833	834	831	826	825	827	829	830	830	829	828	829	830	1	5 00	835	16 05	825	10
30			✓	827	827	828	829	832	830	828	826	825	835	831	830	830	828	829	827	823	826	828	827	830	829	830	831	829	1	9 15	837	8 15	818	19
31				829	831	831	832	833	833	837	840	838	840	842	842	841	840	834	826	823	824	830	834	833	832	832	830	834	1	11 57	844	16 52	822	22
MEANS ALL DAYS				831	832	833	834	835	835	836	836	834	832	832	831	827	825	824	822	822	825	828	830	830	830	830	830	830						25
MEANS TEN DAYS ✻				832	833	834	835	836	837	837	836	833	831	831	831	829	827	826	824	824	826	830	831	831	832	832	832	831						21
MEANS FIVE DAYS (G. M. T.) †				833	834	834	835	836	836	835	832	830	828	827	830	830	829	827	825	823	825	831 831	832 832	832	833	833	833	831						
MEANS FIVE DAYS (G. M. T.) ‡				830	830	832	833	835	834	836	836	836	838	839	835	830	826	826	821	820	825	828	829	829	830	830	830	831						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
{ } = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 320

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1929

NOVEMBER 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				829	829	830	834	833	834	835	837	835	829	825	819	814	817	826	819	816	819	826	830	829	829	830	829	827	1	7 20	837	13 08	812	25
2			✓	830	829	831	833	833	834	833	831	829	833	830	828	826	822	820	823	822	821	826	825	825	823	820	821	827	1	5 43	834	13 59	820	14
3			✓	822	821	822	827	832	833	832	829	828	826	816	808	811	818	813	809	815	821	822	824	826	826	825	825	822	1	6 30	835	11 20	805	30
4			✓	827	828	828	830	830	827	829	829	827	826	820	814	809	813	814	817	817	819	821	825	825	825	824	825	823	1	3 38	832	12 30	807	25
5			✓	825	828	829	831	831	829	832	835	840	838	842	840	831	828	826	826	824	822	823	826	827	827	827	826	830	1	11 08	843	17 15	822	21
6				826	828	829	831	833	834	831	832	830	827	823	815	806	807	806	807	815	821	825	827	829	828	827	828	824	1	5 19	836	12 16	806	30
7				829	831	831	833	834	833	834	838	839	839	836	835	832	828	820	819	820	823	825	828	827	828	829	827	830	1	7 34	842	15 00	818	24
8				827	827	829	830	832	831	830	828	829	827	825	819	815	817	815	812	817	824	826	830	828	828	827	825	825	0	5 10	833	15 20	811	22
9				825	827	828	830	832	830	823	820	818	816	822	829	827	821	817	814	816	819	825	830	831	830	829	828	824	0	5 03	834	15 30	813	21
10	✓	✓		829	830	829	830	831	832	835	841	846	844	842	837	830	820	807	803	804	813	822	828	829	828	827	826	828	0	8 20	847	15 20	802	45
11		✓		826	828	829	831	833	834	840	844	844	Δ									Δ	827	828	829	828	827							
12	✓			828	829	830	831	833	831	830	830	831	829	830	831	826	826	825	819	817	819	826	828	828	828	828	828	828	0	4 58	834	16 03	816	18
13	✓			829	831	832	834	835	834	837	840	843	843	844	841	831	829	824	814	811	817	824	829	829	831	831	830	831	0	8 21	845	16 10	809	36
14	✓			829	831	832	833	833	831	829	828	828	826	822	821	817	814	816	813	813	818	826	829	826	825	826	828	825	0	3 04	833	15 51	812	21
15				825	828	831	831	832	832	831	837	839	841	840	842	833	830	826	819	815	816	818	822	824	823	822	822	828	0	11 25	844	16 20	814	30
16			✓	817	820	822	826	828	828	829	835	853	854	850	857	844	833	823	816	815	822	826	825	822	823	823	825	830	1	11 32	863	16 10	814	49
17				825	826	829	830	829	826	825	825	828	830	830	832	834	830	826	823	822	822	824	826	826	824	822	821	826	0	12 48	835	16 47	821	14
18	✓	✓		822	822	824	826	829	827	827	831	837	836	839	841	840	843	837	824	813	814	821	824	824	823	825	822	828	0	13 35	845	16 40	811	34
19	✓			822	823	826	826	828	826	825	825	827	829	833	836	835	835	831	823	820	819	823	826	824	823	824	824	826	0	11 30	837	17 10	818	19
20				824	825	826	827	827	828	832	835	838	834	831	831	830	832	831	828	828	826	826	827	826	825	823	823	828	0	8 15	840	23 40	821	19
21				821	823	825	828	828	828	829	832	835	(835	836)	835	830	826	823	821	820	823	825	827	826	826	825	825	827	0	8 15	836	16 40	819	17
22				826	828	828	828	827	827	825	830	836	835	837	834	829	823	817	814	816	822	822	826	827	827	826	825	826	0	8 30	837	15 28	813	24
23	✓			824	825	828	829	831	830	833	838	839	842	846	837	823	818	814	809	809	814	822	827	827	828	828	827	827	0	10 35	848	16 11	807	41
24	✓	✓		827	826	827	829	830	829	832	842	849	847	849	846	841	833	825	817	818	821	824	828	828	827	827	827	831	0	8 22	850	15 10	817	33
25	✓	✓		826	826	826	828	830	830	833	839	843	842	841	838	829	821	813	807	810	815	821	825	825	825	826	825	827	0	8 22	844	15 30	805	39
26				825	823	823	824	827	827	827	831	832	830	832	834	830	825	818	816	817	821	823	824	827	826	827	827	826	1	11 47	835	15 50	816	19
27				825	826	827	827	827	826	833	840	839	837	831	825	823	824	825	821	816	819	826	829	829	829	829	828	828	1	7 02	842	16 40	814	28
28				829	829	828	830	829	824	824	828	836	838	841	843	844	843	837	827	821	820	825	827	827	828	827	827	830	1	13 06	845	17 10	817	28
29				826	827	828	828	828	826	830	839	848	849	848	841	824	822	815	807	805	812	822	827	828	829	829	829	828	0	9 04	849	16 03	803	46
30	✓			827	826	828	830	829	824	822	823	824	817	814	807	798	796	802	810	816	819	825	829	829	830	829	829	820	0	3 58	831	12 15	796	35
31																																		
MEANS ALL DAYS a)				826	827	828	829	830	829	830	833	835	834	834	832	826	824	820	816	816	819	824	827	827	827	826	826	827						a) 28
MEANS TEN DAYS ✻				826	827	828	830	831	829	830	834	837	836	836	834	827	824	819	814	813	817	823	827	827	827	827	827	827						32
MEANS FOUR DAYS (G. M. T.) b) †				826	826	826	828	830	830	832	838	844	842	843	840	835	829	820	813	811	816	824 824 822	828 826	828	827	826	826	829						
MEANS FIVE DAYS (G. M. T.) ‡				824	825	826	829	831	830	831	832	835	835	832	829	824	823	819	818	819	821	824	825	826	825	824	824	826						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete day November 11

b) Omitting incomplete Greenwich day November 11

TABLE 321

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

DECEMBER 1929 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) DECEMBER 1929

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		828	828	829	830	829	825	824	828	828	829	831	825	814	814	814	817	812	816	823	827	828	828	828	827	824	0	10 30	833	16 25	810	23
2	✓	✓		828	826	827	829	831	829	830	835	836	832	826	819	821	819	817	817	815	817	821	826	825	826	826	826	825	0	8 35	837	16 20	813	24
3				826	828	829	830	831	828	828	835	839	837	833	831	830	831	827	815	809	813	816	819	820	823	824	824	826	1	8 39	840	16 00	807	33
4			✓	823	823	824	826	826	833	841	857	862	859	857	845	824	810	807	803	802	810	817	823	826	825	824	825	828	1	7 50	866	16 00	801	65
5			✓	828	827	826	827	827	828	834	845	853	850	839	830	819	810	808	804	801	806	813	820	822	822	823	823	824	0	8 15	854	16 20	807	47
6				823	825	824	825	827	830	842	852	850	840	831	823	813	805	798	796	798	809	818	823	822	824	823	822	823	0	7 35	853	15 56	795	58
7				823	824	825	827	829	828	827	828	831	824	826	827	821	813	806	804	812	816	821	828	827	825	824	823	822	0	8 24	833	14 50	803	30
8				822	822	827	829	830	828	831	838	838	836	837	835	835	831	824	819	818	820	824	Δ						0	7 40	841	15 25	818	23
9																						Δ	823	829	829	828	827							
10				826	827	827	827	829	828	824	819	817	817	828	828	830	829	828	821	822	822	822	827	827	829	829	828	825	0	12 50	832	9 02	815	17
11				826	824	827	828	829	829	835	848	860	865	871	867	858	843	835	828	815	817	821	824	823	826	823	824	835	1	10 12	872	16 33	814	58
12				827	827	827	828	829	826	825	827	832	834	837	834	832	829	816	807	808	813	819	825	826	825	825	825	825	0	10 35	838	16 08	805	33
13				824	824	826	827	829	829	835	842	844	840	831	828	819	818	826	825	816	813	817	824	826	827	826	826	827	0	8 17	845	17 07	811	34
14				826	826	828	829	831	829	829	835	837	(840	838)	834	831	833	845	835	821	818	823	828	830	830	830	829	831	0	14 39	848	17 10	816	32
15				828	828	830	831	832	833	832	833	830	829	830	830	822	820	823	818	813	816	820	826	827	828	828	829	826	0	5 18	834	16 50	812	22
16			✓	829	830	831	832	835	833	836	842	842	836	828	817	819	828	831	832	826	828	827	828	827	827	827	826	830	2	14 58	842	11 19	817	25
17			✓	826	827	828	830	833	830	834	843	848	850	849	844	834	833	833	831	825	823	824	834	832	828	825	828	833	1	9 23	851	18 25	823	28
18				832	833	833	831	831	830	831	835	840	840	841	827	810	804	813	819	821	825	828	833	833	832	831	830	828	0	10 00	842	13 07	800	42
19	✓	✓		830	831	832	832	834	833	836	839	832	831	830	825	815	809	810	825	826	824	822	832	832	833	833	832	828	0	6 57	839	12 58	809	30
20	✓	✓		831	832	834	835	836	835	831	830	832	837	837	834	829	832	826	817	818	823	824	829	830	830	830	830	830	0	10 10	839	15 51	813	26
21	✓	✓		830	830	832	834	835	834	834	835	831	825	829	819	807	810	814	820	826	825	823	828	827	827	826	826	826	0	5 25	837	12 35	806	31
22			✓	827	827	827	828	829	830	832	848	852	846	856	841	822	820	817	802	807	812	819	827	828	828	827	828	828	2	10 08	863	15 25	800	63
23				830	829	829	830	829	831	839	855	861	858	856	843	823	816	815	820	824	826	823	829	830	830	828	828	833	0	8 12	863	14 15	814	49
24				829	831	832	832	835	834	836	842	840	839	842	832	825	825	819	811	811	814	822	830	830	830	828	826	829	0	10 10	844	15 50	807	37
25	✓			829	830	831	832	833	831	837	847	849	848	847	842	834	832	828	826	823	825	821	826	829	830	832	833	833	0	8 08	852	18 35	820	32
26	✓			833	831	831	831	833	833	832	828	820	819	820	814	805	803	807	814	821	823	826	830	833	832	830	829	824	0	5 23	836	13 40	801	35
27	✓			828	830	832	832	833	831	831	836	836	848	851	849	849	856	839	823	814	819	826	831	832	833	833	831	834	0	13 29	859	16 23	813	46
28	✓			831	830	831	835	835	832	834	837	842	839	843	832	823	824	823	823	812	817	825	831	834	835	834	834	831	0	10 35	845	16 45	809	36
29	✓			832	832	834	834	837	834	837	843	844	841	847	846	844	842	841	845	841	837	835	834	833	833	835	834	838	0	10 45	849	5 52	832	17
30				833	834	834	835	838	835	832	835	838	836	839	841	826	816	812	811	815	823	828	834	834	834	835	835	831	0	11 12	844	15 35	810	34
31				833	833	833	835	837	834	833	837	836	835	850	855	849	842	845	825	813	820	824	830	831	832	833	832	834	1	11 20	858	16 20	811	47
MEANS ALL DAYS a)				828	829	829	830	832	831	833	838	840	839	839	834	826	823	821	818	816	819	822	828	828	829	828	828	829						a) 36
MEANS TEN DAYS ✻				830	830	831	832	834	832	833	836	835	835	836	830	824	824	822	823	821	823	825	829	830	831	831	830	829						30
MEANS FIVE DAYS † (G. M. T.)				829	829	831	832	833	831	831	833	832	831	831	824	817	817	816	819	819	821	824 823	830 828	830	831	830	830	827						
MEANS FIVE DAYS ‡ (G. M. T.)				827	827	827	829	830	831	835	847	851	848	846	835	824	820	819	814	812	816	820	825	825	826	826	826	829						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMI OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days December 8 and 9

TABLE 322

DECLINATION

-7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1930 — JANUARY 1930

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				392	388	380	380	380	376	371	392	418	441	456	468	476	451	432	396	386	385	389	399	402	400	397	395	406	1	12 22	486	6 19	364	122
2				390	389	386	387	388	380	374	389	406	423	439	449	448	440	426	401	393	392	391	400	403	399	396	391	403	0	11 40	454	6 28	372	82
3			✓	388	384	386	380	370	361	360	369	393	411	430	440	421	429	395	379	374	380	392	400	403	399	397	392	393	1	11 23	460	7 06	355	105
4			✓	388	382	377	370	371	372	362	375	404	420	452	456	442	442	434	419	400	399	395	401	406	410	405	405	404	1	10 49	463	6 38	358	105
5			✓	400	398	398	390	388	385	367	367	382	405	424	436	441	430	415	391	390	399	400	408	409	402	400	395	401	1	12 06	450	7 00	360	90
6			✓	390	385	376	375	377	376	378	399	420	436	460	467	456	453	433	419	405	395	394	400	400	401	399	394	408	1	11 18	486	6 23	372	114
7			✓	391	393	389	383	383	376	369	374	385	404	428	438	437	425	408	395	399	401	397	402	404	400	400	395	399	1	10 50	446	6 30	367	79
8				391	384	385	379	384	388	379	395	407	424	447	476	466	445	421	406	400	390	387	393	395	395	392	392	405	1	11 35	483	6 41	377	106
9	✓			392	391	391	390	389	384	371	374	377	393	414	417	390	376	398	397	390	390	386	395	399	400	396	392	391	0	11 10	425	6 40	367	58
10	✓			388	385	384	385	386	382	370	376	392	415	440	452	429	402	376	382	393	390	389	394	395	395	395	392	395	0	11 10	457	6 40	366	91
11	✓	✓		388	385	384	385	385	383	373	383	400	409	433	437	425	406	400	395	395	397	390	390	395	394	394	391	397	0	11 09	442	6 26	371	71
12		✓		387	385	382	380	383	377	369	382	395	402	420	425	394	386	404	414	408	405	393	393	395	396	395	389	394	0	11 20	431	6 20	365	66
13				382	383	383	378	377	371	363	378	406	423	425	419	418	416	416	421	407	397	390	392	394	395	394	391	397	0	10 40	428	6 27	361	67
14	✓	✓		387	381	377	376	375	374	371	387	399	407	416	418	410	401	396	398	395	396	397	394	397	395	392	392	393	0	10 58	424	6 08	369	55
15				390	386	385	385	387	384	376	391	398	399	415	416	410	409	415	405	385	387	384	390	395	395	396	396	395	0	11 36	423	6 12	373	50
16	✓			392	393	388	386	386	386	377	384	396	(405	415)	407	383	367	371	374	376	387	388	386	390	390	390	387	388	0	10 12	418	13 37	366	52
17				384	381	379	376	377	375	381	410	428	441	445	440	436	438	414	408	394	385	385	394	398	397	390	387	402	1	10 55	450	6 07	373	77
18				392	386	385	389	389	389	380	380	395	409	423	412	402	403	406	398	386	383	380	Δ						0	10 29	425	7 10	375	50
19																						Δ	387	388	390	386	385							
20				385	380	383	384	386	383	375	385	404	419	430	423	425	424	418	407	385	381	385	389	390	390	386	386	396	1	10 20	443	6 30	373	70
21				386	385	380	380	381	384	383	390	395	402	413	418	414	404	394	375	355	357	362	375	383	389	387	388	387	0	10 45	422	16 20	353	69
22				383	375	378	376	379	385	379	395	420	437	437	429	417	407	400	387	386	385	377	386	387	390	387	387	395	0	10 03	444	1 27	374	70
23	✓			384	379	382	383	381	381	373	377	390	397	405	398	397	400	398	390	377	379	384	386	386	390	385	383	387	0	10 59	410	6 55	370	40
24	✓			384	382	380	379	383	384	383	398	414	417	420	415	415	419	425	408	390	385	380	384	390	390	388	389	396	0	14 10	431	3 20	376	55
25	✓			386	381	380	379	378	381	366	375	387	395	404	403	389	386	386	382	376	375	377	384	387	387	386	385	384	0	11 10	412	6 40	364	48
26	✓	✓		383	380	377	377	376	373	366	381	399	410	415	402	390	390	391	391	386	385	381	384	385	384	382	378	386	0	10 40	417	6 22	363	54
27	✓	✓		376	376	375	375	377	375	364	366	376	388	393	384	362	355	357	366	373	374	380	384	388	390	387	384	376	0	10 41	396	13 18	353	43
28				377	375	374	371	370	365	357	360	360	374	396	402	401	390	394	384	377	376	376	385	384	380	377	377	378	1	11 20	414	6 25	352	62
29				371	367	370	375	376	366	352	361	376	398	421	424	420	414	407	385	366	367	371	383	385	385	380	376	383	0	11 25	431	6 20	349	82
30				374	365	367	377	378	372	358	364	387	394	390	405	409	416	418	415	399	384	384	386	388	386	383	380	387	1	14 15	423	7 02	356	67
31				377	373	370	374	376	375	374	385	400	406	415	420	410	406	387	377	374	376	377	385	(390)	393	387	378	387	0	11 23	428	2 42	365	63
MEANS ALL DAYS a)				386	382	381	380	380	378	370	381	397	410	424	427	418	411	404	395	387	386	386	391	394	394	391	389	393						73 a)
MEANS TEN DAYS ✱				386	383	382	382	382	380	371	380	393	404	416	413	399	390	390	388	385	386	385	388	391	392	390	387	389						57
MEANS FIVE DAYS (G. M. T.) †				384	381	379	379	379	376	369	380	394	403	415	413	396	388	390	393	391	391	385 388	389 389	391	391	390	387	389						
MEANS FIVE DAYS (G. M. T.) ‡				391	388	385	380	378	374	367	377	397	415	439	447	439	436	417	401	394	395	396	402	404	402	399	395	401						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days January 18 and 19

TABLE 323

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1930 — FEBRUARY 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				383	377	377	379	384	385	374	384	399	409	427	434	433	428	416	410	404	394	389	390	389	391	389	389	397	1	11	54 445	6	30 369	76
2				382	378	376	375	368	375	367	374	399	414	421	417	421	419	404	397	385	379	382	393	396	392	391	386	391	1	12	25 446	6	37 362	84
3				384	375	371	375	377	379	364	367	385	396	405	413	398	399	400	394	389	383	379	386	389	389	387	386	386	1	11	20 419	6	50 359	60
4	✓			381	380	379	374	382	385	381	389	406	425	427	427	426	415	403	394	388	384	379	384	389	388	385	381	394	0	9	50 432	3	30 373	59
5	✓			378	374	375	375	379	386	379	379	394	404	422	430	428	415	406	399	389	386	381	383	388	386	386	381	392	0	11	40 434	1	44 372	62
6	✓	✓		378	375	373	377	379	379	365	368	385	399	404	401	397	398	395	382	374	376	376	384	389	388	387	383	384	0	11	15 408	6	52 359	49
7	✓			379	378	377	377	380	384	383	392	403	414	429	426	421	404	395	387	384	381	379	381	383	383	383	381	391	0	10	40 434	2	30 376	58
8	✓	✓		377	375	375	374	376	374	366	364	377	392	407	411	402	398	396	394	394	385	385	389	392	390	388	384	386	0	11	47 414	7	23 360	54
9	✓	✓		379	377	375	374	375	375	371	378	386	401	409	415	404	398	398	390	382	375	375	384	388	387	384	379	386	0	11	40 419	6	40 369	50
10	✓	✓		377	375	373	369	371	371	361	366	379	397	409	416	407	396	395	394	386	379	382	386	389	389	386	387	385	0	10	53 419	6	43 359	60
11				385	382	376	376	374	371	369	377	397	414	423	426	419	415	409	395	381	371	374	385	389	391	390	390	391	0	11	20 429	6	29 368	61
12			✓	386	378	384	389	388	385	377	385	410	408	415	416	413	394	384	375	378	393	402	410	401	414	409	404	396	2	11	09 440	15	46 370	70
13			✓	394	385	388	384	379	384	374	386	433	452	414	413	414	401	410	389	379	378	381	380	383	389	389	394	395	2	9	12 471	6	40 365	106
14			✓	384	383	376	379	375	371	372	384	414	424	427	428	415	410	403	388	373	371	371	379	385	385	388	386	390	1	10	40 434	5	10 369	65
15			✓	385	387	382	384	385	380	374	385	403	424	446	437	447	439	424	407	389	378	376	379	385	384	394	389	398	1	12	14 453	6	40 370	83
16			✓	388	389	384	380	380	380	363	368	397	425	431	430	422	419	407	387	376	374	379	385	388	387	390	390	392	0	11	00 438	6	50 358	80
17				385	384	386	386	384	375	(360)	362	389	416	436	424	424	419	414	409	397	388	384	388	389	389	387	385	394	0	10	42 444	[7	12 356	88]
18				387	386	384	384	382	382	368	370	388	407	424	430	425	418	398	380	378	377	373	382	388	387	390	391	391	0	11	08 435	6	55 359	76
19	✓			387	383	381	381	378	377	364	365	390	416	436	437	415	403	393	387	379	381	380	385	389	389	389	388	391	0	11	12 449	7	06 360	89
20				385	380	385	380	383	381	367	363	380	395	403	403	401	395	394	383	380	375	371	380	385	389	391	393	385	0	10	40 409	7	10 360	49
21	✓			390	388	386	384	382	378	365	363	372	386	400	413	419	414	406	395	384	374	370	381	386	389	390	390	388	0	12	20 421	7	00 360	61
22	✓	✓		389	386	384	383	384	382	366	364	379	392	404	414	412	398	390	384	374	368	370	376	384	389	389	387	385	0	11	45 417	7	08 360	57
23				384	384	380	380	380	377	363	364	375	384	389	393	392	385	392	396	389	385	388	389	388	386	386	384	384	1	12	12 403	6	55 359	44
24				379	377	376	374	372	368	356	359	372	389	401	404	390	389	395	386	384	384	382	385	386	386	385	379	382	1	11	28 412	7	08 351	61
25				379	379	372	374	374	364	348	346	364	384	399	399	412	395	396	394	398	395	393	392	388	389	388	384	384	1	12	30 423	7	01 335	88
26				379	373	376	380	381	379	370	371	387	404	414	418	406	399	399	379	375	373	379	385	386	385	385	382	386	0	11	40 423	7	05 368	55
27				382	381	381	380	380	377	365	370	388	400	409	408	404	404	396	377	373	373	378	386	386	386	385	382	385	0	10	35 419	6	40 360	59
28				378	374	372	369	374	369	355	367	389	402	412	435	424	419	408	394	382	374	376	386	387	386	384	379	387	1	11	18 444	6	38 350	94
29																																		
30																																		
31																																		
MEANS ALL DAYS				383	380	379	378	379	378	367	372	391	406	416	418	414	407	401	391	384	380	380	385	388	389	388	386	389						68
MEANS TEN DAYS ✲				382	379	378	377	379	379	370	373	387	403	415	419	413	404	398	391	383	379	378	383	388	388	387	384	388						60
MEANS FIVE DAYS † (G. M. T.)				380	378	376	375	377	376	366	368	381	396	407	411	404	398	395	389	382	377	378 378	384 384	387	387	386	383	385						
MEANS FIVE DAYS ‡ (G. M. T.)				387	384	383	383	381	380	372	382	411	427	427	425	422	413	406	389	379	379	382	387	389	393	394	393	394						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 324

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1930 — MARCH 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	380	373	373	374	372	368	360	373	388	404	418	424	417	405	397	389	386	383	383	384	387	386	385	384	387	1	11 45	442	6 49	355	87
2			✓	381	380	379	379	370	365	360	365	389	404	409	409	403	389	377	375	377	377	380	384	384	384	385	385	383	1	11 06	431	6 40	354	77
3				379	376	376	374	374	378	370	380	408	429	449	451	437	421	409	399	389	379	377	383	384	385	386	384	395	0	11 00	459	6 40	368	91
4	✓			379	378	378	379	376	375	363	360	377	399	412	421	424	414	396	384	377	377	378	383	383	382	380	379	386	0	12 10	428	7 02	358	70
5	✓	✓		377	375	374	375	375	378	378	384	403	416	425	423	419	403	391	385	378	373	374	378	380	380	380	379	388	0	10 38	429	17 20	371	58
6				377	376	377	377	378	375	365	369	379	392	406	415	418	411	403	396	387	379	375	△						0	12 35	419	6 36	362	57
7		✓									△	409	428	441	446	439	424	409	391	375	368	368	374	378	379	379	377		0					
8	✓	✓		375	375	375	376	376	372	361	359	369	386	405	424	433	429	419	399	377	366	369	374	375	376	378	378	384	0	12 38	434	6 58	357	77
9	✓	✓		377	377	378	378	378	374	361	351	358	368	373	380	394	397	400	391	380	375	376	379	380	379	378	376	377	0	14 24	403	7 30	350	53
10	✓	✓		376	375	375	375	378	375	365	362	366	379	395	408	412	414	405	390	381	375	374	379	380	379	379	379	382	0	12 50	418	7 40	361	57
11				379	379	378	375	377	375	364	356	361	369	383	396	396	400	401	388	373	369	379	381	385	387	385	386	380	1	14 31	409	7 44	355	54
12			✓	384	376	384	373	389	397	389	379	390	395	408	419	437	429	418	407	395	389	384	380	384	386	384	377	394	2	12 46	451	3 22	360	91
13			✓	383	383	379	385	388	387	381	393	398	402	411	419	426	424	420	406	397	393	390	388	389	388	387	389	396	1	12 10	433	6 24	378	55
14			✓	381	384	371	382	385	386	382	386	391	400	398	384	389	388	382	378	379	377	378	383	384	384	382	383	384	1	10 04	409	2 24	366	43
15				380	384	376	384	389	389	386	380	382	382	377	378	384	390	388	384	384	381	385	386	387	384	382	388	384	0	13 57	394	11 06	371	23
16				383	379	380	382	(378)	377	371	368	379	390	393	393	394	397	383	378	382	382	378	385	386	387	384	382	383	0	10 53	405	7 39	366	39
17				382	374	378	379	383	383	377	377	388	406	409	418	423	418	406	392	378	378	378	384	382	381	378	378	389	0	12 48	434	7 10	373	61
18				378	378	378	381	381	379	372	371	378	384	385	388	398	398	388	383	380	377	377	378	378	383	382	384	382	0	12 51	405	7 36	368	37
19				382	378	379	383	384	385	381	386	393	401	402	406	413	412	408	393	390	386	382	380	376	373	378	379	389	0	12 11	418	21 20	373	45
20	✓			377	378	377	383	383	382	372	368	373	378	386	389	398	404	403	398	390	387	382	381	377	374	375	376	383	0	13 22	407	7 20	367	40
21	✓			378	376	379	386	388	387	375	374	383	392	403	408	410	409	399	392	385	382	378	377	376	376	376	380	386	0	12 27	413	21 00	369	44
22				384	386	386	388	383	378	373	376	387	390	397	398	396	403	393	384	383	383	380	379	379	378	377	378	385	0	13 14	412	6 40	369	43
23				377	377	377	373	373	373	373	384	398	410	418	419	415	410	394	393	390	(386	383)	379	378	375	373	370	387	0	11 05	422	23 30	368	54
24				371	375	373	360	359	367	372	377	385	398	(398)	398	401	398	388	384	383	383	383	382	381	380	379	375	381	0	12 25	409	3 39	353	56
25	✓			371	373	374	378	379	380	378	383	391	408	422	414	416	403	396	384	383	387	388	385	383	383	378	371	388	0	10 54	432	0 50	368	64
26				373	375	375	373	369	367	368	377	396	396	397	400	396	400	393	388	380	378	378	378	379	378	377	375	382	0	11 40	411	5 50	363	48
27				373	369	368	367	370	375	371	373	380	394	396	402	398	402	397	388	387	383	383	383	378	379	378	377	382	1	9 30	414	3 11	359	55
28				373	368	368	365	375	374	376	393	398	403	411	408	407	403	392	393	384	380	381	379	378	379	378	378	385	0	10 11	419	3 20	360	59
29				376	371	372	370	377	374	371	372	381	392	393	393	396	397	386	377	379	377	380	379	379	379	378	371	380	0	13 08	403	7 00	363	40
30	✓			372	372	372	372	374	375	375	380	390	397	398	397	402	393	383	377	374	379	382	378	377	377	377	376	381	0	12 19	407	0 01	368	39
31	✓			373	373	374	376	377	377	377	383	390	403	409	417	419	419	393	383	376	377	379	378	375	376	374	373	385	0	13 34	427	0 20	372	55
MEANS ALL DAYS a)				378	376	376	377	378	378	372	375	385	396	403	406	409	406	397	388	383	380	380	381	381	381	380	379	385						56 a)
MEANS TEN DAYS ✲				376	375	376	378	378	378	370	370	380	393	403	408	413	408	398	388	380	378	378	379	379	378	378	377	384						56
MEANS FOUR DAYS (G. M. T.) b) †				376	376	376	376	377	375	366	364	374	387	400	409	414	411	404	391	379	372	373 373	378 378	379	379	379	378	383						
MEANS FIVE DAYS (G. M. T.) ‡				382	379	377	379	381	381	374	379	391	401	409	411	414	407	399	391	387	384	383	384	386	387	385	383	389						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-nine days only, omitting incomplete days March 6 and 7

b) Omitting incomplete Greenwich day March 7

TABLE 325

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1930 — APRIL 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			376	375	373	372	373	374	368	367	368	378	378	397	398	410	389	378	378	378	378	377	377	377	378	377	379	1	13 30	418	7 25	362	56
2	✓			373	373	373	376	376	378	383	384	393	397	399	403	403	401	387	372	373	378	379	377	377	378	376	376	383	0	13 09	408	14 10	369	39
3	✓	✓		374	373	373	373	377	378	374	375	380	388	386	379	387	387	382	377	376	373	371	372	374	375	376	376	377	0	9 45	393	18 29	369	24
4	✓	✓		375	373	373	377	378	379	380	381	387	394	403	413	409	398	381	379	368	369	373	370	370	372	374	370	381	0	11 31	418	16 45	366	52
5	✓	✓		373	374	374	374	376	376	369	371	379	388	399	405	414	415	405	388	373	367	369	372	371	377	375	375	382	0	13 30	418	17 39	365	53
6				373	373	373	373	373	372	364	359	366	378	389	397	407	407	397	392	378	378	375	377	378	374	380	380	380	1	11 55	419	7 30	357	62
7			✓	383	383	382	382	383	378	383	385	374	365	360	361	371	379	370	370	368	375	383	386	384	384	381	376	377	1	19 32	394	11 06	349	45
8			✓	379	373	373	379	384	390	392	388	390	397	403	403	406	402	397	375	364	366	374	378	378	378	377	378	384	1	12 17	409	16 26	363	46
9				376	376	373	371	375	370	366	363	362	362	368	374	383	388	384	374	367	370	376	377	373	377	373	378	373	1	13 13	393	6 01	357	36
10			✓	374	377	383	380	390	400	392	397	399	407	407	407	406	400	388	382	378	374	369	375	375	376	377	379	387	1	11 55	419	18 50	363	56
11				372	374	377	378	385	386	396	397	391	390	389	390	388	387	384	377	381	381	378	369	371	377	375	378	382	1	7 20	403	20 23	364	39
12				377	372	376	380	388	392	407	414	408	400	389	386	385	383	372	361	364	368	372	368	372	378	373	374	382	0	7 39	420	15 38	358	62
13				372	376	381	381	386	388	389	398	400	399	393	397	393	386	378	375	370	373	373	373	373	368	373	378	382	0	9 12	408	16 20	368	40
14				377	377	381	382	383	383	390	397	396	393	393	393	392	376	369	364	363	368	373	376	378	374	374	371	380	0	8 21	402	16 40	358	44
15				368	380	378	380	379	377	378	378	388	396	(392)	384	387	388	382	374	374	373	372	373	375	377	374	376	379	0	9 40	401	0 09	363	38
16				381	383	382	382	386	385	379	380	378	378	390	402	405	404	398	388	373	373	378	379	378	378	378	376	384	0	11 58	409	17 07	368	41
17	✓			369	375	379	383	388	383	377	377	379	388	393	398	403	401	393	384	374	374	371	369	372	373	375	374	381	0	12 20	406	0 25	366	40
18	✓			377	376	375	378	378	379	377	373	375	387	397	401	415	408	399	381	368	367	369	368	369	372	373	372	381	0	12 40	420	17 11	363	57
19				372	367	372	374	378	378	373	354	349	360	368	387	393	388	383	378	374	373	375	373	376	376	373	376	374	0	12 15	398	8 15	343	55
20			✓	367	358	359	366	377	368	368	376	379	389	397	398	388	393	394	388	380	379	378	376	377	373	373	367	378	1	11 52	417	1 29	349	68
21				373	372	365	368	383	389	387	376	369	368	367	368	374	374	378	376	372	376	378	373	373	372	372	373	374	1	6 46	399	2 45	358	41
22			✓	373	372	373	377	374	384	386	382	381	381	386	388	379	378	376	373	369	378	374	373	375	375	373	372	377	1	11 13	398	16 45	367	31
23				376	370	369	375	383	384	384	385	384	383	382	389	397	394	381	373	375	371	371	370	373	373	371	372	379	0	12 58	403	2 22	364	39
24				370	362	362	355	365	374	379	388	390	398	397	389	388	388	389	385	378	377	373	373	374	376	376	372	378	0	9 50	407	3 55	346	61
25				372	373	374	378	378	380	379	382	383	388	384	388	387	393	391	390	384	379	376	374	379	373	378	374	381	0	11 48	399	0 02	368	31
26				369	364	359	369	378	381	387	387	384	384	388	389	398	397	397	393	388	383	375	370	370	372	373	372	380	0	12 50	402	2 18	355	47
27	✓	✓		370	372	373	371	374	374	379	373	373	378	377	372	374	387	387	386	380	377	377	376	374	376	373	372	376	0	13 29	390	8 20	367	23
28	✓	✓		371	373	373	377	378	378	379	387	388	391	399	408	403	392	393	388	379	369	371	369	369	370	370	370	381	0	12 46	410	0 20	369	41
29	✓			368	369	369	373	373	373	378	368	361	366	367	363	363	358	358	359	363	364	367	372	372	373	373	373	368	1	6 42	385	13 46	349	36
30				372	372	367	368	373	374	387	392	389	393	395	386	367	352	350	354	362	368	366	367	370	371	374	374	373	1	10 18	399	14 18	347	52
31																																		
MEANS ALL DAYS				373	373	373	375	379	380	381	381	381	385	388	390	392	390	384	378	373	373	374	373	374	375	375	374	379						45
MEANS TEN DAYS ✲				373	373	374	375	377	377	376	376	378	386	390	394	397	396	387	379	373	372	372	372	372	374	374	374	379						42
MEANS FIVE DAYS † (G. M. T.)				373	373	373	374	377	377	376	377	381	388	393	395	397	396	390	384	375	371	375 372	373 372	373	375	374	373	380						
MEANS FIVE DAYS ‡ (G. M. T.)				375	373	374	377	382	384	384	386	385	388	391	391	390	390	385	378	372	374	376	377	377	377	376	377	381						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 326

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1930 — MAY 1930

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			377	378	377	378	378	380	380	379	375	377	383	386	380	379	376	374	375	372	369	367	367	369	371	370	376	0	11 20	389	20 35	367	22
2	✓	✓		370	372	374	376	372	372	367	363	363	366	377	393	396	379	366	362	362	364	364	363	366	367	367	367	370	0	12 01	402	7 50	361	41
3		✓		367	368	367	369	369	371	372	369	372	372	376	386	391	382	382	380	372	369	367	363	366	371	374	376	373	0	12 40	392	19 18	361	31
4				373	379	379	382	386	390	400	398	389	373	385	389	398	391	378	369	361	361	360	357	370	372	358	366	378	1	6 59	406	19 31	343	63
5			✓	367	372	371	386	391	391	392	401	392	379	393	398	397	398	389	378	372	376	372	371	371	368	373	362	382	1	7 08	413	0 25	356	57
6			✓	374	378	379	386	388	388	380	387	376	390	397	402	398	404	406	400	385	372	372	363	359	377	379	373	384	1	11 13	409	19 49	355	54
7				371	374	376	382	387	390	389	377	363	360	360	358	351	353	358	369	372	369	361	364	369	370	375	372	370	1	6 10	397	12 49	346	51
8				367	371	380	385	388	393	399	397	390	381	378	372	377	384	392	383	377	370	370	368	367	372	372	370	379	1	6 44	405	0 08	362	43
9				370	368	370	374	381	386	392	394	376	369	367	374	384	378	382	382	378	375	366	372	367	368	368	371	376	1	7 18	401	20 50	363	38
10	✓			372	374	376	380	382	385	381	377	367	363	371	375	378	376	379	377	377	373	371	369	369	371	371	371	374	0	5 25	387	9 40	359	28
11				371	372	374	375	378	380	380	378	372	365	358	366	372	372	379	382	376	366	360	364	367	371	376	371	372	0	7 05	383	10 15	355	28
12				373	376	381	388	387	391	393	397	397	392	389	387	383	375	376	371	362	359	367	367	368	372	372	369	379	0	7 51	403	17 20	356	47
13				366	370	375	377	381	384	387	378	373	358	354	362	367	366	366	367	372	371	367	366	372	370	374	370	371	0	6 35	394	10 05	349	45
14	✓			375	377	377	376	379	385	391	393	391	387	381	386	384	379	376	372	368	365	365	363	367	366	368	371	377	0	7 30	397	17 18	362	35
15				371	367	367	371	377	378	382	386	389	395	398	396	391	383	375	369	359	360	362	366	369	368	369	366	376	0	10 40	402	16 50	357	45
16			✓	369	375	379	382	383	384	382	397	401	407	402	387	382	371	377	371	369	376	369	368	374	375	372	373	380	1	10 33	417	19 08	357	60
17			✓	372	369	381	382	382	372	382	377	371	377	365	375	381	381	375	376	368	377	372	370	372	380	372	372	375	1	8 32	398	10 13	352	46
18				378	380	382	383	382	382	381	376	375	366	367	372	374	378	372	369	367	366	368	366	367	362	368	372	373	1	6 30	392	20 55	362	30
19				366	371	371	368	366	369	369	373	370	367	370	372	384	377	366	(366	361)	367	366	367	367	367	368	363	369	1	12 42	390	[16 50	358	32]
20				359	364	368	379	373	377	381	381	377	372	368	366	371	381	391	386	377	372	369	367	367	373	370	377	374	1	14 51	395	0 21	354	41
21				367	368	369	369	377	378	386	391	385	378	378	375	383	384	377	375	372	374	371	367	373	365	367	366	375	1	7 18	397	1 07	358	39
22				368	367	369	363	358	367	377	388	384	382	385	390	392	387	373	372	371	369	367	367	367	367	372	367	374	0	7 41	397	4 21	356	41
23	✓			367	364	369	367	372	377	385	392	394	387	383	377	379	383	382	382	376	368	367	365	367	368	368	368	375	0	8 11	398	1 08	362	36
24	✓	✓		367	367	367	370	372	374	381	382	372	361	361	370	380	378	375	364	360	362	364	362	362	366	366	359	368	0	7 04	386	16 45	357	29
25				362	367	369	370	371	376	382	385	379	369	366	368	372	391	392	381	370	364	366	367	367	368	368	361	372	0	14 40	396	23 25	358	38
26	✓			366	369	367	372	372	377	384	382	368	360	357	361	359	361	369	379	372	365	364	362	365	366	366	367	368	0	7 09	388	10 22	355	33
27	✓	✓		366	367	369	370	375	375	382	384	380	376	370	367	367	372	382	383	377	368	362	361	361	362	366	366	371	0	7 02	387	20 05	359	28
28	✓	✓		366	366	367	366	370	373	380	383	373	367	360	356	366	378	377	375	363	361	358	359	361	363	367	363	367	0	7 20	387	10 54	350	37
29	✓			363	367	368	365	366	372	379	378	372	367	361	370	372	372	367	366	362	358	355	354	361	366	367	364	366	0	7 01	383	19 10	351	32
30				368	370	370	372	373	377	387	387	373	362	349	358	367	361	349	343	339	349	352	348	352	370	376	371	363	1	7 10	395	16 29	337	58
31			✓	371	370	377	371	379	388	400	407	398	375	368	365	361	357	360	359	361	363	363	361	359	359	371	371	371	1	7 18	417	13 52	348	69
MEANS ALL DAYS				369	371	373	375	377	380	384	385	379	374	373	376	379	378	376	374	369	367	365	364	366	369	370	369	373						41
MEANS TEN DAYS ✱				369	370	371	372	374	377	381	381	376	371	370	374	376	376	375	373	369	366	364	362	365	366	368	367	371						32
MEANS FIVE DAYS (G. M. T.) †				367	368	369	370	372	373	376	376	372	368	369	374	380	378	376	373	367	365	365 363	364 362	365	366	368	368	370						
MEANS FIVE DAYS (G. M. T.) ‡				371	373	377	381	385	385	387	394	388	386	385	385	384	382	381	377	371	373	370	362	367	371	370	368	378						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 327

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

JUNE 1930 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JUNE 1930

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	370	370	375	375	375	384	400	406	408	394	380	374	374	366	361	356	358	362	356	351	357	364	365	366	373	0	8	31 412	19	32 347	65
2			✓	362	366	363	370	379	386	391	391	388	386	385	390	382	370	362	354	360	361	354	353	358	363	365	364	371	1	7	46 399	15	06 347	52
3				370	369	368	376	377	382	393	397	401	393	382	375	366	365	362	359	359	360	356	356	365	365	365	366	372	0	8	52 407	19	00 351	56
4				366	365	365	365	368	373	376	392	396	400	394	391	378	372	377	376	368	365	361	363	364	365	366	366	374	0	9	34 406	18	31 357	49
5	✓			368	368	366	370	373	372	375	374	357	348	342	349	364	375	381	372	366	364	360	361	362	365	365	362	365	0	14	40 384	10	31 338	46
6				363	367	366	365	371	376	385	386	382	377	371	367	369	365	365	368	364	359	359	360	361	368	361	365	368	0	7	17 389	17	52 357	32
7			✓	364	352	357	366	376	376	381	390	385	376	374	371	377	381	369	361	356	350	356	361	362	367	366	368	368	0	7	54 397	1	57 338	59
8				370	370	364	369	374	375	381	386	376	370	368	363	361	361	364	371	364	359	359	358	359	361	366	361	367	0	7	21 394	14	08 356	38
9				364	366	366	365	364	371	378	390	380	370	366	366	367	366	359	361	359	357	357	358	358	361	366	366	366	0	7	31 395	17	20 356	39
10	✓			365	365	367	371	369	372	384	388	381	374	367	365	370	369	363	360	361	359	359	357	360	360	361	362	367	0	7	18 391	19	32 356	35
11	✓	✓		364	364	364	365	368	370	369	369	365	365	364	365	370	379	377	372	364	357	356	354	352	354	358	364	365	0	14	01 386	20	42 351	35
12			✓	364	364	371	375	369	371	377	375	385	371	375	386	370	370	368	365	359	358	348	365	367	366	362	362	368	1	8	23 413	18	20 342	71
13				364	359	341	346	358	365	370	381	385	379	380	376	371	359	360	360	358	359	360	357	361	361	367	366	364	1	8	11 394	2	30 334	60
14	✓			364	365	360	360	363	365	380	375	371	371	369	369	368	367	370	367	367	364	360	360	360	360	361	361	366	0	6	44 385	3	58 357	28
15		✓		361	361	362	365	367	372	382	382	375	370	371	375	374	363	365	367	365	359	358	356	356	356	357	358	366	0	7	00 386	24	00 353	33
16		✓		353	352	335	319	316	350	328	368	391	414	420	411	403	391	379	364	366	374	369	378	373	368	367	360	369	1	10	00 436	4	05 302	134
17				360	364	359	364	365	366	379	391	395	390	384	374	374	373	366	359	359	360	359	362	358	360	364	362	369	0	8	03 399	20	45 354	45
18				363	361	361	361	364	369	375	378	379	369	375	379	378	374	368	369	368	369	363	364	363	364	364	363	368	0	8	29 386	2	30 357	29
19				363	363	362	368	365	368	371	375	380	380	381	376	378	373	368	363	360	359	358	356	359	364	361	359	367	0	7	57 387	19	10 354	33
20	✓			359	361	360	364	371	370	380	383	380	373	366	369	366	362	364	359	359	363	360	357	359	359	359	359	365	0	8	01 389	19	20 356	33
21	✓			358	360	364	364	363	370	378	382	383	368	369	373	371	371	366	362	359	361	358	359	359	359	359	359	366	0	8	18 392	16	10 356	36
22	✓			357	356	359	364	368	371	371	371	368	359	356	362	373	376	371	360	355	355	355	355	357	359	359	359	362	0	13	05 379	0	50 351	28
23	✓	✓		357	357	359	363	365	369	374	380	379	374	369	364	372	371	368	363	355	356	354	354	355	358	358	358	364	0	8	00 383	20	00 352	31
24	✓	✓		359	359	361	363	364	369	372	371	360	(347	339)	337	345	359	364	362	356	356	356	356	357	358	359	359	358	0	7	00 378	11	10 334	44
25	✓	✓		359	359	360	359	363	368	373	376	370	364	364	367	377	373	359	354	355	352	352	352	354	355	359	358	362	0	12	50 379	17	12 349	30
26				357	357	358	361	365	368	368	373	364	358	356	372	384	378	365	360	356	353	350	349	355	360	361	365	362	0	12	20 388	19	18 348	40
27				360	365	364	363	368	378	383	384	382	374	369	362	352	340	340	341	337	344	343	354	355	363	369	368	361	0	6	56 396	16	30 332	64
28				373	371	378	378	374	378	389	392	393	394	387	376	359	349	344	357	356	354	354	354	356	362	358	362	369	1	7	51 399	14	20 338	61
29				368	373	373	370	371	375	390	382	376	366	365	368	367	360	352	353	354	353	353	359	362	364	364	363	366	1	6	50 398	18	20 351	47
30				358	362	368	365	367	370	376	383	391	394	406	405	392	378	363	354	350	354	356	357	362	363	363	363	371	0	10	30 412	16	40 349	63
31																																		
MEANS ALL DAYS				363	363	363	364	367	372	378	382	381	376	373	373	372	369	365	362	359	359	357	358	360	362	362	362	367						47
MEANS TEN DAYS ✱				361	361	362	364	367	370	376	377	371	364	360	362	368	370	368	363	360	359	357	356	358	359	360	360	364						35
MEANS FIVE DAYS † (G. M. T.)				360	360	361	363	365	370	374	376	370	364	361	362	368	369	367	364	359	356	357 355	356 354	358	359	360	360	363						
MEANS FIVE DAYS ‡ (G. M. T.)				363	361	360	361	363	373	375	386	391	388	387	386	381	376	368	360	360	361	357	356	357	360	362	365	369						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 328

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				362	363	362	365	367	372	378	386	387	392	402	402	392	377	366	361	362	357	358	357	359	362	363	363	371	0	11 08	407	17 48	354	53
2	✓			363	366	365	366	367	372	372	369	378	374	379	387	382	367	352	348	349	353	349	353	354	357	362	364	364	0	11 50	392	15 50	347	45
3				365	365	365	367	370	370	371	382	374	381	380	381	382	381	372	363	357	353	353	354	359	361	362	365	368	1	11 16	388	17 49	349	39
4				361	365	367	366	371	371	367	370	373	373	360	354	362	372	371	361	354	351	353	362	361	360	360	361	364	1	8 50	382	17 45	347	35
5				364	364	371	365	371	378	382	381	373	357	347	351	367	371	362	357	357	357	358	358	361	360	361	360	364	1	7 21	391	10 40	341	50
6				361	362	364	369	372	379	387	387	378	372	367	367	369	368	369	366	364	364	362	360	360	360	355	359	368	0	6 49	392	23 05	353	39
7	✓			362	362	364	369	371	375	388	390	382	371	366	366	366	356	347	352	355	356	357	356	357	361	361	361	365	0	7 01	396	14 31	343	53
8	✓	✓		361	362	363	366	366	368	369	371	370	366	362	362	368	366	367	371	371	366	358	357	360	360	360	360	365	0	7 29	374	19 40	356	18
9				361	361	361	364	367	373	385	385	377	368	362	366	363	355	336	334	340	342	347	352	356	358	353	360	359	1	6 55	391	14 50	327	64
10			✓	358	360	355	351	356	366	366	362	366	363	365	371	369	366	363	365	364	366	366	365	363	361	372	380	364	1	23 59	384	3 26	344	40
11			✓	368	362	366	366	371	371	381	392	391	381	371	374	380	372	362	357	359	362	366	366	367	363	359	358	369	1	8 30	397	23 59	342	55
12			✓	341	332	352	361	361	361	376	382	385	379	371	366	362	366	362	353	357	361	361	362	360	361	363	356	362	1	7 25	392	1 36	326	66
13			✓	356	358	360	361	362	367	370	381	381	378	377	363	366	372	366	347	349	356	358	356	355	357	358	357	363	1	8 04	392	15 40	342	50
14				354	359	358	360	362	367	370	374	378	371	367	379	383	379	365	353	346	353	354	355	356	357	358	358	363	0	12 11	385	16 28	343	42
15				357	358	361	361	361	366	371	376	373	366	368	371	368	362	361	360	361	360	357	357	358	359	360	360	363	0	7 50	380	18 34	355	25
16				358	355	346	350	356	365	366	370	375	373	380	372	390	368	355	351	349	356	358	356	357	359	361	362	362	1	12 15	396	2 26	339	57
17				363	356	361	362	361	362	375	388	386	386	381	377	383	370	359	356	357	354	354	356	356	356	358	360	366	0	7 44	393	17 11	352	41
18	✓			360	353	355	357	363	366	372	377	371	366	355	364	386	385	373	356	351	353	356	356	358	357	359	356	363	0	12 50	391	16 30	350	41
19	✓			358	359	358	356	356	359	365	365	370	365	363	366	380	385	374	370	369	362	358	356	355	356	355	357	363	0	13 33	389	20 20	353	36
20	✓	✓		358	355	355	356	360	365	370	369	365	359	368	370	376	380	378	364	355	355	355	352	355	359	358	356	362	0	13 30	382	19 35	351	31
21	✓	✓		355	352	352	354	360	365	365	363	358	355	363	372	375	380	389	385	372	363	359	355	355	355	359	358	363	0	14 50	390	1 50	350	40
22	✓	✓		355	352	352	358	362	365	375	375	363	355	358	368	372	373	370	367	365	361	355	353	353	355	355	355	361	0	7 50	379	1 50	350	29
23	✓	✓		355	355	355	358	359	362	372	373	374	369	373	378	382	379	368	363	354	354	357	354	354	354	355	354	363	0	12 40	384	17 20	352	32
24				354	355	355	360	364	365	364	359	354	347	350	370	384	380	375	360	350	352	344	342	337	344	347	334	356	1	13 20	386	23 38	329	57
25			✓	351	364	360	378	384	388	400	405	395	367	344	344	343	343	339	341	340	344	344	344	346	349	347	354	359	1	6 32	416	0 01	335	81
26				348	348	348	358	362	376	387	388	386	373	369	368	368	355	349	348	348	350	349	347	350	351	356	356	360	1	7 52	398	2 17	337	61
27				358	359	361	363	366	369	373	378	380	373	368	373	368	358	359	362	358	354	353	349	351	353	352	357	362	0	8 12	384	19 20	348	36
28				357	358	358	358	363	367	377	378	368	355	358	367	370	361	352	346	344	345	345	347	348	350	350	353	357	0	6 47	383	15 30	341	42
29				358	358	364	363	360	365	365	367	367	368	368	366	375	361	352	345	341	339	346	348	349	352	352	349	357	0	12 45	378	17 30	337	41
30				354	352	348	350	352	358	367	371	369	363	363	366	360	358	350	341	341	344	344	345	350	353	354	357	355	0	7 20	376	16 10	339	37
31	✓			355	352	355	358	360	364	364	367	358	358	369	382	374	363	357	352	348	349	348	349	348	352	353	353	358	0	11 35	383	18 16	346	37
MEANS ALL DAYS				358	357	359	361	364	368	374	377	374	369	367	370	373	369	362	357	354	355	354	354	355	357	357	358	363						44
MEANS TEN DAYS ✲				358	357	357	360	362	366	371	372	369	364	366	372	376	373	368	363	359	357	355	354	355	357	358	357	363						36
MEANS FIVE DAYS (G. M. T.) †				357	355	355	358	361	365	370	370	366	361	365	370	375	376	374	370	363	360	357 357	354 354	355	357	358	357	363						
MEANS FIVE DAYS (G. M. T.) ‡				355	355	359	363	367	371	379	384	384	374	366	364	364	364	358	353	354	358	359	357	357	357	359	358	363						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 329

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1930 — AUGUST 1930

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			353	354	355	353	355	360	362	364	364	359	348	349	358	356	353	343	339	345	348	349	350	353	353	353	353	0	6	58	368	16 21	338	30
2	✓	✓		353	354	355	358	361	362	360	357	356	350	353	358	365	366	360	352	353	353	351	352	353	353	353	352	356	0	13	10	368	15 41	348	20
3	✓	✓		352	353	355	357	358	365	369	366	358	349	342	349	353	350	351	349	347	341	344	349	349	351	353	352	353	0	6	40	371	17 30	339	32
4	✓	✓		353	352	356	361	365	368	370	376	368	353	352	353	353	358	352	353	354	352	349	350	351	352	353	353	357	0	7	55	379	18 30	348	31
5				353	353	354	356	360	363	367	372	367	357	360	368	364	361	352	352	353	352	357	354	358	353	354	350	358	1	11	28	377	14 02	348	29
6			✓	330	328	342	337	345	357	357	367	363	365	353	365	369	383	376	373	363	358	356	357	355	361	362	359	358	1	13	51	390	1 10	325	65
7			✓	346	347	338	349	350	343	353	372	375	370	361	361	366	364	366	355	347	340	347	359	364	360	353	355	356	1	8	22	384	17 59	333	51
8			✓	352	346	349	351	354	356	366	375	376	380	365	372	366	361	347	356	351	348	352	352	351	354	361	358	358	1	9	33	386	1 04	337	49
9			✓	357	353	346	350	354	353	360	361	369	368	369	362	366	370	367	358	362	357	352	353	357	353	356	353	359	1	10	53	373	3 13	337	36
10				353	347	345	345	353	357	362	367	373	364	357	360	359	361	353	350	354	357	358	361	363	361	354	351	357	1	8	14	377	4 00	343	34
11				352	350	351	355	351	355	363	374	374	371	366	364	361	358	360	360	362	357	353	352	354	354	346	352	358	0	7	29	379	1 55	345	34
12			✓	345	346	344	347	352	356	361	362	353	346	349	350	355	358	361	344	341	342	347	351	352	348	353	354	351	0	7	20	370	0 50	336	34
13				346	348	346	350	349	352	363	369	370	363	357	361	357	353	351	354	353	354	352	354	352	352	352	350	354	0	7	41	378	0 31	342	36
14				349	346	344	347	353	357	371	380	379	376	373	372	376	371	367	351	348	347	346	352	345	350	352	347	358	0	7	40	384	2 10	342	42
15				340	335	335	343	352	357	364	373	374	365	360	360	364	370	362	360	358	355	351	350	351	352	353	355	356	0	8	18	380	2 09	329	51
16				352	352	351	347	352	356	361	365	368	367	373	376	379	379	373	363	360	352	356	357	354	353	353	352	360	0	13	30	382	3 35	346	36
17	✓	✓		352	352	352	353	354	354	361	369	369	366	354	357	359	363	364	360	347	346	346	347	351	349	348	348	355	0	8	09	372	17 09	344	28
18				350	351	352	353	356	360	363	361	357	351	341	340	350	359	356	356	352	350	352	351	351	349	349	350	352	0	6	40	366	11 05	336	30
19				346	351	351	351	351	356	346	352	344	344	341	355	364	376	(371)	356	347	342	342	346	349	350	350	350	351	1	13	31	380	8 32	330	50
20				352	350	352	356	360	362	366	363	353	345	335	329	333	345	357	362	355	347	346	346	346	348	351	351	350	0	6	49	371	11 10	327	44
21				351	352	354	356	360	363	371	362	350	346	337	338	332	336	342	336	344	341	342	346	345	346	340	345	347	1	6	10	375	12 51	327	48
22				346	345	345	353	361	369	380	379	367	354	346	341	341	341	336	337	337	342	343	341	344	347	347	350	350	1	6	40	385	14 56	334	51
23				354	354	349	351	360	364	370	372	377	374	356	365	360	352	350	341	341	342	346	341	345	348	348	351	355	1	8	17	383	15 50	336	47
24				350	351	350	353	359	359	362	362	356	354	359	360	357	362	360	360	356	352	351	347	350	350	345	347	355	0	7	08	370	0 11	345	25
25	✓			350	350	353	356	359	361	365	355	345	331	323	326	337	343	349	355	350	345	345	344	345	346	345	349	347	0	6	30	369	10 49	318	51
26	✓			351	352	353	353	359	361	369	371	371	370	365	369	370	360	354	352	350	345	345	346	349	348	348	348	357	0	9	18	382	17 30	341	41
27	✓			350	346	349	353	355	354	351	355	347	345	343	348	345	346	348	349	351	348	347	347	347	348	348	349	349	0	7	30	360	10 46	341	19
28	✓	✓		349	350	350	351	354	354	355	354	353	351	348	356	360	354	349	350	350	345	345	345	346	348	348	349	351	0	12	41	365	18 53	342	23
29	✓			350	352	353	354	356	357	362	364	361	351	340	341	336	330	333	334	341	340	340	339	344	346	345	344	346	0	7	22	368	13 50	327	41
30				350	350	352	353	355	356	360	360	359	350	345	353	361	360	351	340	341	334	340	345	345	345	350	344	350	0	13	08	364	17 37	330	34
31				346	351	353	359	360	363	359	355	347	345	341	345	354	362	355	340	338	335	342	345	347	349	348	342	349	0	5	07	365	17 11	333	32
MEANS ALL DAYS				349	349	349	352	356	358	363	366	363	357	352	355	357	358	356	352	350	347	348	349	350	351	351	350	354							38
MEANS TEN DAYS ✻				351	352	353	355	358	360	362	363	359	352	347	351	354	353	351	350	348	346	346	347	348	349	349	350	352							32
MEANS FIVE DAYS † (G. M. T.)				352	352	354	356	358	361	363	364	361	354	350	355	358	358	355	353	350	347	349 347	351 349	351	352	352	352	354							
MEANS FIVE DAYS ‡ (G. M. T.)				346	344	344	347	351	353	359	367	367	366	359	362	364	367	363	357	353	349	351	355	356	356	355	355	356							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 330

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1930 — SEPTEMBER 1930

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				337	334	339	344	348	350	356	356	370	367	363	372	368	368	364	364	352	340	344	349	347	347	351	348	353	1	8 41	377	1 05	333	44
2				345	347	344	345	344	347	355	363	362	357	351	348	348	350	349	345	339	332	339	342	346	345	345	339	347	0	8 10	364	17 16	329	35
3			✓	343	343	339	336	341	347	349	361	364	369	364	333	351	354	358	369	354	346	353	363	357	351	349	346	352	1	9 30	384	11 13	323	61
4				338	343	349	342	342	345	356	365	360	352	344	354	359	359	360	364	366	359	350	349	349	348	347	346	352	1	16 20	368	0 14	334	34
5				344	343	340	347	353	358	359	355	348	333	333	338	341	342	349	359	356	354	354	352	349	345	340	342	347	1	6 08	365	10 50	324	41
6			✓	339	334	335	344	347	353	355	373	380	368	353	344	336	346	344	349	352	358	354	352	350	347	346	346	350	1	8 46	391	2 10	327	64
7				344	343	338	340	349	357	359	349	339	337	337	341	344	344	344	352	357	352	347	342	344	342	342	345	345	0	6 53	364	9 00	333	31
8	✓			342	341	347	352	357	364	368	364	360	355	347	341	347	342	342	343	342	341	339	341	342	343	344	344	348	0	6 05	372	11 30	334	38
9				341	338	335	347	352	349	355	363	362	357	350	353	365	362	360	351	342	343	343	346	345	345	344	342	350	0	12 40	373	2 23	333	40
10				342	340	343	346	349	351	354	361	368	370	367	368	381	387	389	382	367	351	343	343	343	344	344	344	357	0	14 40	391	1 35	338	53
11	✓			342	342	342	341	344	349	351	361	367	362	361	363	365	360	354	352	349	347	346	343	343	343	345	343	351	0	9 03	374	3 25	338	36
12	✓			341	342	342	343	348	351	355	367	376	375	374	372	375	376	366	356	349	342	346	347	345	345	343	342	355	0	13 28	382	17 40	340	42
13	✓			342	343	342	344	346	347	351	359	370	374	372	376	384	380	371	364	348	343	346	349	349	347	346	346	356	0	13 09	387	0 28	342	45
14	✓	✓		346	345	345	344	343	343	345	342	348	349	353	363	373	373	366	358	347	341	343	347	344	343	342	341	349	0	12 41	377	7 26	340	37
15	✓	✓		337	337	342	346	346	349	351	349	344	343	349	353	362	366	366	358	347	342	341	339	341	340	341	341	347	0	14 20	370	1 00	333	37
16	✓	✓		340	339	340	341	345	352	359	355	350	351	353	359	369	366	358	354	346	344	342	340	338	339	339	340	348	0	12 20	372	20 30	338	34
17				340	340	341	342	344	350	351	348	344	337	336	339	351	357	361	356	347	343	342	341	341	341	341	341	345	1	14 40	362	9 45	329	33
18			✓	340	339	337	340	337	334	332	353	341	324	328	337	347	353	351	350	347	337	339	352	356	349	347	346	342	2	7 40	370	8 53	312	58
19				342	346	346	354	355	361	369	368	371	367	362	364	375	366	360	360	350	347	345	342	342	342	344	344	355	1	12 49	381	0 29	339	42
20				344	343	344	347	350	351	354	349	341	331	331	337	347	350	349	351	353	351	347	343	342	342	342	341	345	0	6 16	358	10 00	327	31
21				338	337	335	336	342	353	355	357	361	357	357	356	362	357	355	355	353	347	346	342	338	341	343	346	349	0	12 34	368	3 20	332	36
22	✓			343	345	348	350	352	354	356	355	352	344	338	(343)	352	357	357	356	350	347	350	348	347	348	346	346	349	0	13 50	361	10 30	337	24
23				347	347	352	349	356	352	356	360	360	351	350	354	361	362	362	362	356	350	347	344	346	345	346	345	352	0	14 50	365	19 15	342	23
24				345	342	345	350	349	354	352	345	341	342	345	355	363	365	360	355	351	350	349	346	346	346	346	345	349	1	13 22	371	8 30	340	31
25				344	344	345	348	349	349	346	343	346	344	348	364	374	372	365	361	357	350	348	347	348	347	347	346	351	0	12 37	380	7 06	340	40
26	✓	✓		344	346	346	346	347	346	341	341	342	346	360	373	376	372	366	353	345	343	342	343	346	346	345	346	350	0	12 40	380	7 07	339	41
27	✓	✓		345	345	344	345	348	351	349	351	357	362	374	380	372	362	358	353	347	346	346	344	344	343	342	343	352	0	11 25	385	2 30	342	43
28				345	339	338	342	346	345	340	341	351	361	369	378	384	377	370	357	350	337	342	346	349	352	352	348	352	1	12 28	395	1 06	334	61
29			✓	337	334	333	326	334	340	331	319	321	330	334	356	368	376	365	351	345	351	350	352	345	341	331	332	342	1	13 20	380	7 35	306	74
30			✓	323	311	316	326	350	355	354	358	364	361	359	365	367	374	366	357	346	341	345	348	350	348	346	343	349	1	13 30	377	1 30	303	74
31																																		
MEANS ALL DAYS				341	340	341	343	347	350	352	354	355	353	352	356	362	362	360	357	350	346	346	346	346	345	344	344	350						43
MEANS TEN DAYS *				342	342	344	345	348	351	353	354	357	356	358	362	368	365	360	355	347	344	344	344	344	344	343	343	351						38
MEANS FIVE DAYS † (G. M. T.)				342	342	343	344	346	348	349	348	348	350	358	366	370	368	363	355	346	343	344 / 343	345 / 343	346	345	344	344	350						
MEANS FIVE DAYS ‡ (G. M. T.)				336	332	332	334	342	346	344	353	354	350	348	347	354	361	357	355	349	347	348	347	346	345	342	340	346						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 331

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1930 — OCTOBER 1930

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				339	335	334	337	333	328	325	330	338	346	357	371	373	376	363	354	349	346	344	347	346	344	345	345	346	0	13 10	382	6 21	319	63
2				345	340	344	345	347	345	344	348	355	353	361	374	379	384	375	356	351	347	348	347	345	344	339	339	352	0	14 03	388	23 55	332	56
3			✓	339	340	339	339	345	335	325	330	330	335	339	347	360	366	377	385	367	358	355	355	348	347	347	343	348	1	15 25	389	6 50	322	67
4				337	339	345	345	343	344	337	337	335	336	345	354	368	371	369	364	355	346	344	340	344	345	345	341	347	1	13 50	375	8 50	330	45
5				342	340	343	343	348	349	351	352	350	345	350	356	357	359	360	357	353	349	351	351	346	342	345	344	349	0	14 08	364	2 00	336	28
6				343	343	341	342	339	340	337	338	346	355	369	380	387	386	377	358	349	349	352	349	346	343	343	341	352	0	12 15	392	7 10	332	60
7				340	341	343	345	343	343	349	356	359	364	365	365	374	376	362	348	341	344	345	346	344	344	340	332	350	0	13 37	380	23 50	330	50
8				329	334	329	331	334	337	339	354	359	361	361	369	379	380	369	351	339	339	344	345	345	343	342	342	348	0	12 45	384	0 30	325	59
9	✓			341	338	338	339	340	341	341	352	368	377	384	388	384	380	369	357	350	345	340	342	343	342	341	341	353	0	11 29	390	2 20	335	55
10	✓			340	339	339	339	342	342	338	342	345	353	364	366	364	364	366	354	344	340	343	345	344	342	340	339	347	0	11 40	370	7 40	337	33
11	✓	✓		340	339	338	336	339	340	338	343	352	361	372	379	379	373	361	349	343	340	343	345	345	344	344	343	349	0	12 02	384	3 20	335	49
12	✓			341	340	341	342	340	340	335	337	346	354	369	388	390	384	369	342	331	333	340	343	343	341	341	340	349	0	12 10	392	16 50	330	62
13	✓	✓		340	340	339	339	340	335	325	319	320	321	330	340	350	360	365	361	347	345	344	347	345	342	342	339	341	0	14 50	367	8 06	318	49
14			✓	330	327	329	325	329	338	338	329	325	334	335	344	343	355	363	356	347	345	349	353	350	351	352	350	342	1	14 27	368	7 57	321	47
15	✓			348	346	347	346	345	343	339	340	340	345	360	364	364	365	369	359	348	343	345	345	344	345	344	342	349	0	14 05	371	6 50	337	34
16		✓		340	339	339	340	343	345	340	340	344	348	(357)	358	360	362	360	350	335	335	341	(343)	▽					0	13 28	364	16 56	330	34
17			✓									▽	344	352	373	384	372	377	372	362	351	345	351	359	360	362	357		2					
18				357	356	355	353	349	345	343	339	338	337	344	357	368	378	375	365	355	349	349	346	349	351	346	345	352	1	14 13	381	9 21	331	50
19				344	343	340	340	338	347	345	343	340	340	340	348	355	360	361	355	344	346	349	349	351	353	347	345	347	1	14 22	367	4 19	331	36
20				341	332	338	338	326	337	346	348	354	363	370	373	375	366	361	355	345	340	341	347	345	347	347	345	349	1	11 19	384	4 11	322	62
21	✓			340	340	340	337	341	341	336	342	349	358	365	374	366	358	375	369	350	344	345	346	346	346	346	344	350	1	11 44	381	3 15	335	46
22	✓			342	340	340	339	339	339	335	337	338	339	347	353	353	355	360	352	344	344	343	344	345	346	346	345	344	0	14 37	361	6 57	332	29
23	✓	✓		342	338	335	339	341	340	336	337	344	346	350	355	353	352	350	344	337	338	340	343	344	345	343	340	343	0	11 28	362	7 00	335	27
24	✓	✓		339	338	336	338	340	339	338	345	352	357	363	367	360	355	351	341	336	337	341	342	342	343	343	341	345	0	11 46	372	2 20	335	37
25				338	336	336	336	337	335	333	335	344	353	365	368	371	368	368	361	348	343	343	354	352	351	354	340	349	1	12 16	380	6 30	331	49
26			✓	335	325	311	321	333	334	334	340	345	353	374	368	370	370	365	355	345	344	351	355	350	349	349	339	346	1	10 29	383	2 30	305	78
27			✓	340	340	332	332	340	332	329	328	342	349	362	364	369	367	362	357	353	347	347	349	346	343	343	340	346	1	12 43	379	7 20	324	55
28				335	332	330	329	327	334	333	334	337	339	353	361	366	369	359	350	345	347	347	348	345	343	340	340	343	0	12 49	375	4 20	323	52
29				338	335	326	326	328	332	332	344	349	366	364	364	364	359	353	350	350	349	344	343	345	344	345	335	345	1	10 48	379	3 09	322	57
30				336	332	332	334	336	335	334	337	344	358	371	371	364	367	360	360	336	334	344	345	348	347	344	344	346	1	11 17	379	2 40	329	50
31				341	338	335	334	335	330	319	324	340	352	359	360	357	357	355	349	341	339	346	352	352	352	347	346	344	1	11 25	369	6 45	315	54
MEANS ALL DAYS a)				340	338	337	338	339	339	336	339	344	350	358	364	367	368	364	356	346	344	345	347	346	345	344	342	347						a) 50
MEANS TEN DAYS *				341	340	339	339	341	340	336	339	345	351	360	367	366	365	364	353	343	341	342	344	344	344	343	341	347						42
MEANS FIVE DAYS † (G. M. T.)				340	339	337	338	341	340	335	337	342	347	354	360	360	360	357	349	340	339	342 342	344 344	344	344	343	341	345						
MEANS FOUR DAYS b) ‡ (G. M. T.)				336	333	328	329	337	335	332	332	336	343	352	356	360	364	367	363	353	348	350	351	348	346	346	339	345						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days October 16 and 17

b) Omitting incomplete Greenwich day October 17

TABLE 332

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				343	340	339	336	335	329	323	327	342	352	369	370	367	363	354	341	330	336	344	346	346	344	342	341	344	0	11 00	375	6 15	320	55
2				340	339	337	338	340	335	325	329	335	344	342	339	341	341	345	341	337	341	348	349	349	350	350	347	341	0	20 30	351	6 31	322	29
3				344	340	339	338	338	331	319	320	326	345	357	366	369	363	365	356	347	344	341	342	342	340	339	334	344	0	12 22	372	6 40	317	55
4			✓	329	328	323	317	325	315	315	316	335	344	353	349	347	340	339	330	329	330	344	346	344	344	343	339	334	1	10 10	354	5 36	309	45
5	✓			334	334	334	335	337	329	324	330	344	364	379	387	377	369	371	363	350	342	344	344	345	340	340	340	348	0	11 05	391	6 20	323	68
6	✓			336	331	332	334	335	328	320	320	332	349	353	358	355	350	349	341	336	339	344	345	344	344	341	340	340	0	11 40	361	6 52	319	42
7	✓			335	332	329	331	336	335	330	329	335	346	351	356	357	349	346	337	335	336	343	347	345	345	343	342	340	0	11 59	362	6 55	327	35
8				338	336	335	335	335	335	325	320	332	339	344	350	353	350	349	340	338	340	345	344	345	341	341	341	340	1	12 08	360	7 18	317	43
9				341	335	336	336	339	333	323	326	335	339	345	354	351	349	353	350	347	344	340	345	345	341	340	339	341	0	11 49	359	6 50	322	37
10				339	331	331	336	339	337	325	324	327	333	334	335	339	340	343	340	337	334	335	340	341	341	340	340	336	0	14 30	345	7 50	321	24
11	✓			338	335	336	336	338	336	330	330	331	331	339	351	355	355	354	350	345	340	339	340	340	341	343	340	341	0	12 59	359	6 30	327	32
12	✓	✓		335	334	335	335	335	330	316	313	323	337	355	372	377	372	363	353	340	336	340	339	339	338	338	335	341	0	12 20	380	7 30	312	68
13				334	334	334	334	334	328	315	317	320	326	332	344	355	353	352	343	334	333	339	344	344	344	344	343	337	1	14 33	362	7 00	312	50
14			✓	335	335	335	335	333	330	327	332	339	348	356	367	365	356	353	350	344	345	352	351	360	355	350	346	346	1	11 52	374	8 00	325	49
15				342	341	342	343	345	336	337	347	355	363	363	365	366	360	352	346	340	347	350	351	348	345	345	344	349	1	11 51	370	6 05	330	40
16				339	336	333	336	334	327	317	319	323	333	340	349	348	347	340	330	330	335	342	345	342	344	345	340	336	0	11 16	351	6 40	315	36
17				336	336	331	334	335	337	335	338	342	347	349	355	356	353	355	(350)	339	337	340	341	341	339	339	338	342	0	12 06	361	2 39	329	32
18	✓			335	335	335	337	337	337	331	341	352	364	369	367	363	358	350	344	335	335	341	343	343	340	340	337	345	0	10 17	374	6 08	329	45
19	✓	✓		338	338	338	335	334	329	323	330	342	(351)	360	366	359	349	339	334	334	337	340	344	339	338	334	333	340	0	11 15	369	6 18	320	49
20	✓	✓		329	329	329	329	331	329	334	349	364	373	376	376	371	350	334	324	322	329	339	341	339	337	334	334	342	0	12 10	379	16 20	319	60
21	✓	✓		332	331	331	331	329	321	318	336	351	369	381	381	374	353	348	339	335	334	339	342	341	340	339	335	343	0	11 01	383	6 00	312	71
22	✓	✓		334	329	329	329	329	325	321	334	351	362	358	361	357	344	337	327	325	329	336	339	339	338	335	334	338	0	9 33	366	6 10	317	49
23				331	328	324	325	325	321	310	319	334	348	358	369	367	359	348	344	345	347	356	355	354	349	348	344	342	0	11 16	371	6 27	308	63
24			✓	337	332	330	326	334	332	319	330	346	365	379	399	392	369	344	337	332	339	346	343	341	342	342	332	345	1	11 35	407	6 21	314	93
25			✓	322	330	326	320	310	318	320	331	344	364	381	387	370	354	339	335	338	349	350	351	345	348	350	344	343	1	10 58	399	4 44	305	94
26			✓	343	334	327	334	331	328	325	336	347	353	361	369	366	358	339	330	330	339	337	340	342	340	340	339	341	1	11 41	374	6 05	323	51
27				330	329	326	331	327	335	342	360	377	389	396	402	393	374	350	336	330	333	337	340	340	340	335	335	349	1	11 41	404	1 40	325	79
28				334	333	329	328	330	322	318	340	357	362	364	366	372	363	355	339	333	334	340	340	339	339	335	335	342	0	12 05	374	6 01	313	61
29				333	333	330	329	332	330	323	330	349	359	369	370	362	349	346	339	330	330	335	339	339	338	335	335	340	0	10 51	377	6 10	320	57
30				330	330	330	333	335	325	312	329	349	361	374	380	372	352	340	332	332	332	339	342	342	339	335	335	341	0	11 30	384	6 10	310	74
31																																		
MEANS ALL DAYS				336	334	332	333	333	329	323	330	341	352	360	365	363	355	348	341	336	338	342	344	343	342	341	339	342						53
MEANS TEN DAYS ✲				335	333	333	333	334	330	325	331	342	355	362	368	364	355	349	341	336	336	340	342	341	340	339	337	342						52
MEANS FIVE DAYS (G. M. T.) †				334	332	332	332	332	327	322	332	346	358	366	371	368	354	344	335	331	333	340 339	342 341	340	339	338	336	341						
MEANS FIVE DAYS (G. M. T.) ‡				333	332	328	326	327	325	321	329	342	355	366	374	368	355	343	336	335	340	346	347	345	345	345	339	342						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 333

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1930

DECEMBER 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			330	326	326	329	325	325	319	329	347	363	366	364	359	357	349	340	331	329	335	338	337	337	335	335	339	0	10 40	369	6 20	317	52
2				330	328	329	329	330	321	311	324	339	342	350	361	365	355	342	344	336	331	331	335	339	336	330	325	336	0	12 20	366	6 25	309	57
3			✓	323	320	317	310	305	295	281	294	322	352	367	389	390	385	372	348	334	337	354	359	359	359	359	360	341	2	11 41	428	6 38	277	151
4			✓	358	351	345	337	333	326	331	338	348	353	365	377	376	369	354	347	339	338	338	346	345	345	345	345	348	1	11 50	380	5 50	321	59
5				341	337	336	334	332	321	309	320	340	357	369	370	367	360	353	350	341	335	339	341	341	339	340	340	342	0	11 10	374	6 30	308	66
6	✓			340	339	337	337	332	321	310	320	335	348	364	369	364	352	340	343	343	338	340	340	340	341	341	337	340	0	11 62	373	6 20	308	65
7				329	325	325	330	327	320	308	318	329	345	359	370	357	353	355	350	339	332	338	345	344	340	340	339	338	1	11 15	376	6 40	306	70
8	✓	✓		336	335	333	331	332	330	324	336	351	355	353	355	352	350	347	345	340	335	335	340	341	340	338	337	340	0	9 05	359	6 10	320	39
9	✓			333	330	325	326	327	325	316	324	333	347	354	359	356	350	350	340	335	336	337	340	340	339	335	330	337	0	12 04	361	6 20	314	47
10				329	326	324	323	325	324	313	316	328	332	334	335	340	340	342	339	334	330	334	339	338	337	335	333	331	0	14 40	345	7 00	311	34
11	✓			330	328	328	329	329	327	318	324	330	336	347	350	350	352	358	356	348	342	341	341	339	337	333	329	338	0	14 49	360	6 30	316	44
12				326	324	323	323	326	323	316	320	327	327	330	333	328	330	341	346	350	346	352	350	351	346	337	335	334	1	10 30	355	6 30	316	39
13			✓	331	325	330	327	328	330	327	329	340	352	360	359	345	336	335	333	335	340	340	341	340	340	335	331	337	1	10 53	375	7 31	321	54
14				332	328	325	325	325	321	315	316	318	325	336	343	345	347	355	354	350	342	340	339	336	335	331	333	334	1	14 20	359	6 23	311	48
15				332	330	327	326	328	327	315	320	329	339	357	374	372	368	362	(350)	337	330	335	337	337	335	333	333	339	0	11 44	379	6 30	313	66
16	✓	✓		333	330	330	330	331	327	325	340	350	363	374	384	388	373	356	347	337	331	331	334	335	335	335	332	344	0	12 18	390	6 10	320	70
17	✓	✓		330	330	329	329	327	320	312	317	328	338	339	345	346	345	339	339	330	325	331	335	337	332	331	331	332	0	13 00	348	6 30	312	36
18	✓	✓		330	329	329	329	329	322	312	323	342	351	353	356	355	347	345	339	330	324	330	336	337	336	333	332	335	0	11 19	360	6 30	311	49
19				331	331	328	330	331	327	321	334	340	335	333	345	347	350	349	348	341	331	334	335	335	335	332	331	336	1	11 45	361	6 15	320	41
20			✓	328	322	321	322	326	319	310	322	331	343	362	369	377	363	340	319	330	341	346	350	346	341	334	328	337	1	12 12	390	6 16	306	84
21			✓	323	314	310	313	320	329	317	338	359	361	365	379	390	373	352	338	331	330	334	342	341	341	340	337	341	1	12 33	399	2 20	305	94
22				331	332	331	331	332	327	325	341	355	358	368	379	371	365	356	341	330	332	338	340	337	335	333	330	342	1	11 41	386	6 13	319	67
23				327	327	323	328	327	323	316	321	337	352	367	375	367	338	330	332	332	336	339	341	340	336	334	334	337	0	12 12	378	6 31	313	65
24				332	326	321	320	327	323	313	323	341	338	357	375	382	375	360	346	330	330	336	340	337	336	334	333	339	1	12 05	386	6 30	312	74
25				330	325	325	324	326	326	321	328	335	340	351	352	348	340	343	333	330	328	330	335	335	335	334	332	334	1	11 37	360	6 20	319	41
26				329	327	325	325	326	321	307	312	321	334	344	355	358	339	338	342	336	331	335	338	338	338	338	334	333	1	12 29	365	6 40	306	59
27				332	331	329	328	326	326	313	309	320	336	349	358	359	355	350	344	331	323	326	334	335	334	333	330	334	0	12 04	363	7 20	306	57
28	✓			326	326	327	328	331	328	316	325	339	340	349	346	342	341	334	328	326	331	334	335	336	333	331	330	333	0	10 40	353	6 30	314	39
29				326	326	326	326	326	325	313	310	319	324	332	350	357	356	345	338	327	330	335	336	338	338	336	335	332	0	12 52	363	7 14	307	56
30				333	331	329	329	329	329	320	311	319	335	351	353	347	341	341	336	326	322	330	332	334	334	334	334	332	0	11 30	354	7 52	311	43
31	✓	✓		334	333	331	331	331	329	320	323	326	323	329	340	346	347	344	332	325	327	331	336	337	339	337	334	333	0	14 20	350	6 42	319	31
MEANS ALL DAYS				331	329	327	327	327	324	315	323	335	343	353	360	360	353	348	342	335	333	336	340	340	338	336	334	337						58
MEANS TEN DAYS ✲				332	331	330	330	329	325	317	326	338	346	353	357	356	351	346	341	334	332	334	338	338	337	335	333	337						47
MEANS FIVE DAYS † (G. M. T.)				333	331	330	330	330	326	319	328	339	346	350	356	357	352	346	340	332	328	333 332	337 336	337	335	335	334	337						
MEANS FIVE DAYS ‡ (G. M. T.)				333	326	325	322	322	320	313	324	340	352	364	375	376	365	351	337	334	337	342	346	346	343	338	336	340						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 334

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1930 — JANUARY 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				597	591	591	595	604	617	629	659	679	723	733	757	743	683	629	579	585	596	606	610	604	604	604	605	634	1	11 30	781	15 32	563	218
2				606	605	606	606	608	616	637	693	730	760	784	764	758	701	643	589	587	604	611	615	610	608	605	603	648	0	10 27	807	16 00	564	243
3			✓	604	605	610	620	605	601	603	605	683	704	763	757	704	699	572	565	574	592	607	607	604	595	592	580	627	1	10 39	872	15 12	515	357
4			✓	577	587	587	590	581	594	599	627	692	722	745	716	657	679	639	563	552	554	561	557	540	551	563	564	608	1	10 47	772	15 55	517	255
5			✓	560	559	572	580	578	573	560	571	575	648	635	628	666	647	633	611	597	563	564	579	583	579	573	585	592	1	12 06	689	6 20	546	143
6			✓	580	582	587	591	599	599	598	620	649	636	702	684	645	658	633	601	544	546	575	576	574	572	563	589	604	1	10 16	787	16 44	526	261
7			✓	576	575	578	580	575	571	579	608	658	710	731	739	694	655	613	596	594	592	574	568	582	588	581	579	612	1	10 49	789	5 43	557	232
8				580	593	588	587	584	587	603	624	675	741	740	748	673	656	621	574	581	593	598	597	605	593	587	592	622	1	10 09	780	15 35	566	214
9	✓			593	592	592	594	594	596	611	641	691	738	774	750	707	667	640	617	606	611	610	605	605	605	602	601	635	0	10 53	783	2 28	590	193
10	✓			599	602	598	597	600	606	620	632	657	696	699	707	679	657	606	592	607	617	617	611	608	606	605	605	626	0	11 10	716	15 21	577	139
11	✓	✓		603	603	603	607	610	617	627	645	683	729	746	731	717	699	679	654	640	625	615	612	612	610	608	608	645	0	10 23	750	2 17	600	150
12		✓		609	607	605	606	608	610	625	635	675	716	726	700	692	672	660	655	659	645	626	611	607	620	618	611	642	0	10 28	749	2 41	603	146
13				620	615	620	618	621	625	642	647	675	690	699	679	641	638	645	653	651	637	620	609	609	603	595	596	635	0	10 40	711	22 29	593	118
14	✓	✓		595	593	589	587	593	615	642	679	706	735	738	713	677	644	638	656	657	645	620	613	611	607	609	612	641	0	10 56	754	3 49	586	168
15				610	610	613	612	613	618	633	666	705	738	761	751	722	664	663	634	606	609	587	596	604	601	597	597	642	0	11 40	778	18 48	578	200
16	✓			593	599	603	606	607	613	625	647	693	(737	748)	713	666	624	625	637	651	642	621	611	607	601	598	600	636	0	[9 59	751]	0 30	591	[160]
17				603	605	608	612	616	626	652	695	740	810	770	761	727	649	545	582	577	592	601	590	582	581	587	595	638	1	9 35	829	14 10	503	326
18				598	602	604	604	601	596	613	644	719	780	817	784	722	662	612	594	629	623	603	Δ						0	10 28	831	[14 40	580	251]
19																						Δ	602	599	594	590	593							
20				593	598	603	605	607	607	607	630	682	780	851	837	830	685	638	620	568	582	573	565	563	581	578	572	640	1	12 20	908	16 22	551	357
21				573	582	585	586	589	593	604	639	711	777	826	815	769	706	655	620	596	593	603	597	587	594	597	600	642	0	10 42	854	0 04	570	284
22				598	597	599	599	601	598	603	621	677	745	795	800	748	693	652	630	611	602	592	594	601	594	600	598	640	0	10 27	814	18 18	589	225
23	✓			598	598	598	601	607	616	631	663	720	730	757	756	722	684	655	644	633	628	607	598	595	597	603	604	644	0	11 10	788	20 30	592	196
24	✓			603	603	606	609	610	610	609	617	653	700	746	729	697	667	651	640	629	624	614	615	605	614	609	601	636	0	10 40	764	23 50	598	166
25	✓			599	610	607	605	604	611	619	646	686	736	757	756	742	715	682	662	652	632	618	615	617	617	613	614	651	0	11 10	771	0 01	597	174
26	✓	✓		612	612	612	613	617	622	631	640	658	682	692	686	674	666	658	650	647	642	627	620	618	616	615	612	638	0	10 08	695	3 00	610	85
27	✓	✓		612	615	617	617	615	619	635	661	697	730	737	706	669	646	636	639	655	654	638	629	624	622	624	626	647	0	10 39	742	0 10	611	131
28				628	629	632	635	633	633	644	675	732	764	733	727	715	627	621	587	603	619	632	628	616	606	598	597	646	1	9 29	776	13 44	573	203
29				592	610	610	614	619	614	623	642	676	715	757	760	732	696	665	613	610	617	617	610	608	606	595	586	641	0	11 24	782	23 12	584	198
30				596	604	607	605	609	613	634	656	691	700	655	685	677	672	654	644	603	605	606	603	601	601	596	591	630	1	9 00	721	16 37	586	135
31				590	586	600	603	601	604	619	634	695	739	776	771	722	693	637	579	595	610	619	615	(605)	604	596	591	637	0	11 21	811	15 19	556	255
MEANS ALL DAYS a)				597	599	601	603	604	608	619	642	684	725	744	735	706	670	638	617	609	609	605	602	600	599	597	597	634						205 a)
MEANS TEN DAYS ✲				601	603	602	604	606	612	625	647	684	721	739	725	695	667	647	639	638	632	619	613	610	610	609	608	640						156
MEANS FIVE DAYS (G. M. T.) †				606	606	605	606	609	617	632	652	684	718	728	707	686	665	654	651	652	642	619 625	613 617	613	610	607	607	641						
MEANS FIVE DAYS (G. M. T.) ‡				579	582	587	592	588	588	588	606	651	684	715	705	673	668	618	587	572	569	576	587	582	581	579	584	610						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty nine days only, omitting incomplete days January 18 and 19

TABLE 335

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1930 — FEBRUARY 1930

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				589	592	596	601	601	601	606	628	703	717	778	796	753	702	649	628	621	612	593	584	586	584	591	594	638	1	11 54	831	19 03	571	260
2				600	599	605	605	601	602	604	621	678	732	774	774	772	732	629	613	604	615	612	600	603	607	607	601	641	1	12 24	869	14 33	586	283
3				595	607	605	605	602	604	615	631	684	729	779	825	775	758	687	621	605	599	603	603	597	596	593	601	647	1	11 37	848	0 58	584	264
4	✓			605	598	596	602	602	598	588	606	664	743	798	825	828	776	739	679	633	610	612	609	605	605	604	602	655	0	12 57	839	6 45	581	258
5	✓			601	602	604	605	611	610	609	611	649	662	725	755	773	762	725	686	654	630	616	612	610	609	607	603	647	0	12 51	779	0 27	600	179
6	✓	✓		603	603	610	610	608	611	614	615	641	697	727	736	739	729	707	675	650	631	624	624	619	617	618	613	647	0	11 19	753	0 04	601	152
7	✓			610	609	607	611	615	619	616	616	631	673	728	722	742	735	706	683	665	645	632	629	624	621	619	615	649	0	12 28	764	2 20	606	158
8	✓	✓		614	611	609	614	607	610	606	588	593	633	641	682	675	680	671	661	655	631	607	602	602	604	603	601	625	0	11 47	691	8 00	584	107
9	✓	✓		601	599	603	607	612	619	635	668	706	750	758	757	729	707	682	668	663	642	628	625	621	620	618	613	655	0	9 54	775	1 41	598	177
10	✓	✓		614	614	610	609	613	613	616	625	648	692	701	731	728	715	705	683	663	643	627	617	612	615	610	610	646	0	11 23	736	22 55	605	131
11				611	612	610	611	615	621	629	647	677	705	716	707	683	674	671	662	646	638	624	613	601	601	610	616	642	0	10 22	729	21 00	588	141
12			✓	603	598	586	608	615	608	614	645	715	663	687	702	677	670	674	660	613	454	428	460	473	513	512	516	596	2	11 07	805	18 03	402	403
13			✓	552	556	553	565	582	577	573	593	583	641	625	666	675	557	582	494	535	570	545	523	514	553	551	553	572	2	11 56	778	15 43	478	300
14			✓	559	559	561	571	574	580	588	614	676	683	707	683	674	654	610	571	567	571	570	569	547	566	566	572	600	1	10 35	742	20 25	541	201
15			✓	564	565	572	578	578	570	572	593	620	678	721	675	717	678	651	625	566	570	565	541	533	548	569	556	600	1	12 47	746	20 23	526	220
16			✓	558	581	582	576	585	575	581	602	661	705	722	733	732	680	613	583	585	569	563	551	570	566	557	559	608	0	12 15	755	19 55	540	215
17				561	588	583	585	581	581	(581)	590	644	684	737	708	735	694	667	628	593	592	590	592	592	587	585	589	619	0	10 42	760	0 12	559	201
18				581	576	593	590	585	583	585	621	653	703	713	768	775	688	636	599	584	559	560	593	587	581	573	564	619	0	12 06	813	17 31	554	259
19	✓			578	583	581	585	585	587	587	591	637	706	735	746	702	683	634	608	587	587	591	587	587	583	585	585	618	0	11 12	780	0 10	571	209
20				587	587	587	588	592	593	588	597	636	695	726	730	676	629	601	560	577	586	574	593	591	582	581	584	610	0	10 39	748	15 48	539	209
21	✓			581	579	585	585	585	591	594	600	618	640	662	659	653	659	646	626	616	601	594	595	597	593	582	580	609	0	11 06	674	1 32	576	98
22	✓	✓		580	586	587	590	592	594	595	612	638	646	650	654	649	650	641	632	629	604	597	589	579	593	601	596	612	0	11 22	660	20 39	576	84
23				597	595	592	609	607	605	614	632	642	648	664	635	643	637	635	662	669	654	640	630	616	613	613	605	627	1	11 03	699	2 18	585	114
24				602	595	598	600	604	620	619	637	677	726	728	699	652	655	631	631	657	647	629	618	614	593	583	568	633	1	10 43	765	23 29	556	209
25				591	586	587	595	594	589	596	597	614	651	679	663	671	580	571	600	585	558	571	566	586	588	586	579	599	1	11 46	727	14 25	551	176
26				583	602	592	591	597	599	608	626	664	698	735	716	648	638	628	613	612	611	607	602	603	595	596	601	624	0	10 42	766	0 35	580	186
27				597	598	601	603	611	611	610	632	674	713	714	692	694	681	630	606	611	608	602	605	603	598	607	601	629	0	10 34	758	0 58	591	167
28				598	587	589	594	609	608	614	635	697	703	682	739	698	668	639	640	630	614	608	602	609	603	609	583	632	1	11 16	761	23 32	577	184
29																																		
30																																		
31																																		
MEANS ALL DAYS				590	592	592	596	599	599	602	617	654	690	715	721	710	681	652	628	617	602	593	590	589	590	591	588	625						198
MEANS TEN DAYS ✻				599	598	599	602	603	605	606	613	642	684	712	727	722	710	686	660	642	622	613	609	606	606	605	602	636						155
MEANS FIVE DAYS † (G. M. T.)				602	603	604	606	606	609	613	622	645	684	695	712	704	696	681	664	652	630	615 617	613 611	611	609	606	602	637						
MEANS FIVE DAYS ‡ (G. M. T.)				567	572	571	580	587	582	586	609	651	674	692	692	695	648	626	587	573	547	534	541	534	556	562	563	597						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
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⊼ = NO RECORD

TABLE 336

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1930 — MARCH 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1			✓	585	599	598	595	595	598	609	607	620	670	687	681	652	641	636	621	615	598	597	581	597	596	586	585	615	1	11	44 735	19	05 573	162
2			✓	593	589	585	595	591	595	593	618	676	739	727	740	703	654	636	639	613	599	591	591	597	591	587	584	626	1	11	04 797	2	50 581	216
3				589	587	585	591	600	601	592	607	676	720	751	761	748	709	679	638	614	612	600	593	601	585	585	588	634	0	12	10 809	0	06 581	228
4	✓			593	594	596	600	598	599	601	614	661	726	745	757	745	702	654	629	617	617	616	611	606	603	602	602	637	0	11	26 771	1	42 589	182
5	✓	✓		601	602	605	606	607	604	603	619	675	723	776	779	783	730	689	653	627	617	612	610	608	605	603	601	647	0	12	12 804	23	30 600	204
6				600	601	604	604	606	607	597	608	653	709	738	765	766	730	684	639	622	618	617	Δ						0	[12	19 771]			
7		✓									Δ	648	706	742	758	751	722	688	649	634	624	620	616	614	611	608	605		0	11	23 768			
8	✓	✓		603	604	605	607	609	608	603	614	664	716	757	779	766	727	685	641	621	622	622	620	619	619	617	614	648	0	11	50 783	6	53 600	183
9	✓	✓		613	611	611	612	615	613	608	618	655	706	730	739	740	714	683	656	636	634	632	629	625	620	617	613	647	0	12	31 749	6	40 606	143
10	✓	✓		613	615	616	619	623	627	628	647	686	727	757	771	748	721	686	655	641	620	611	613	616	616	615	614	654	0	11	21 778	18	42 610	168
11				615	617	618	619	619	624	618	633	678	699	694	722	717	720	712	628	585	584	573	594	557	560	509	513	625	1	13	42 754	22	18 495	259
12			✓	531	529	511	564	549	554	564	560	571	588	630	622	659	602	560	540	540	528	543	569	547	544	543	570	563	2	10	48 714	2	32 478	236
13			✓	558	558	558	564	572	575	583	602	631	652	676	652	652	630	625	588	551	535	545	564	554	538	543	558	586	1	10	12 703	16	22 519	184
14			✓	575	567	581	581	575	578	584	618	651	704	710	657	664	629	597	548	543	556	568	559	540	545	565	572	594	1	10	04 742	16	00 520	222
15				557	571	584	575	572	576	582	605	629	677	673	670	647	643	625	611	596	585	569	576	583	576	566	573	601	0	9	45 705	0	30 554	151
16				589	590	584	575	(584)	584	582	598	656	703	732	720	697	663	614	552	530	548	581	570	559	567	576	581	606	0	10	51 763	16	23 521	242
17				577	584	581	581	577	575	572	596	648	711	723	729	725	673	640	601	588	591	582	575	578	559	558	577	613	0	12	47 749	21	19 556	193
18				580	582	582	582	585	589	586	600	658	713	755	754	757	723	629	589	573	576	546	521	541	566	556	562	613	0	12	40 787	19	28 517	270
19				581	591	586	582	592	582	562	571	584	624	688	716	727	707	676	623	584	577	578	580	571	581	565	565	608	0	12	10 763	8	59 557	206
20	✓			561	576	578	582	586	588	585	604	642	689	708	718	723	712	671	636	608	581	577	576	576	571	567	575	616	0	10	07 732	22	19 557	175
21	✓			580	594	595	590	594	591	583	604	656	689	737	760	720	678	638	615	605	594	584	580	568	574	551	540	618	0	11	46 784	23	23 533	251
22				561	559	570	600	591	597	594	615	670	705	727	723	662	653	628	610	600	602	594	591	588	587	584	584	616	0	11	02 773	0	00 546	227
23				588	593	597	595	597	596	588	609	670	709	729	751	734	700	648	627	621	(605	590)	596	584	599	584	586	629	0	11	14 763	23	15 568	195
24				589	582	584	613	583	573	569	607	645	705	(677)	697	670	650	631	626	616	604	589	588	581	581	577	591	614	0	9	47 747	6	30 561	186
25	✓			588	581	586	590	596	596	602	631	678	734	750	735	725	689	660	637	620	596	582	580	586	582	591	595	630	0	10	53 790	20	00 560	230
26				584	587	591	595	599	597	596	619	670	680	718	746	677	658	640	636	628	619	610	602	594	592	594	593	626	0	11	38 798	23	15 581	217
27				595	596	577	611	610	590	585	602	650	693	713	729	703	674	638	591	579	597	586	596	591	581	582	585	619	1	11	36 772	2	51 561	211
28				586	590	600	586	590	588	574	610	643	671	720	722	717	689	651	607	598	594	591	603	584	578	572	583	619	0	10	09 744	6	28 563	181
29				585	582	588	596	599	591	589	623	661	713	747	747	738	694	650	619	609	601	591	593	587	582	578	571	626	0	11	37 778	23	31 563	215
30	✓			581	585	586	589	592	592	594	618	677	726	759	760	736	646	621	600	600	604	599	597	596	594	590	590	626	0	12	17 772	15	44 576	196
31	✓			590	595	595	595	594	593	591	615	668	734	765	768	753	725	653	625	600	601	596	599	601	587	577	575	633	0	11	22 774	23	26 571	203
MEANS ALL DAYS a)				584	587	587	593	593	592	590	610	653	698	723	728	713	681	647	615	599	593	588	588	584	582	577	581	620						205 a)
MEANS TEN DAYS ✲				592	596	597	599	601	601	600	618	666	717	748	757	744	704	664	635	618	609	603	602	600	597	593	592	636						194
MEANS FOUR DAYS (G. M. T.) b) †				608	608	609	611	614	613	610	624	670	718	755	767	759	723	686	651	631	623	622 619	619 618	616	613	611	608	649						
MEANS FIVE DAYS (G. M. T.) ‡				568	568	567	580	576	580	587	601	630	671	686	670	666	631	611	587	572	563	569	582	573	568	558	562	597						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days March 6 and 7

b) Omitting incomplete Greenwich day March 7

TABLE 337

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1930

APRIL 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			584	588	591	601	608	609	605	626	681	727	716	762	689	693	639	615	602	602	597	586	583	585	585	586	628	1	11	27 788	19	47 579	209
2	✓			598	599	596	600	602	609	616	631	686	745	790	794	758	716	670	631	601	601	599	600	597	582	583	573	641	0	10	19 806	23	41 567	239
3	✓	✓		584	591	592	600	602	604	612	655	722	787	791	775	747	693	647	627	618	616	608	605	602	600	595	592	644	0	9	44 812	0	01 576	236
4	✓	✓		593	594	597	595	599	599	603	636	699	757	795	820	784	731	688	645	618	613	615	616	606	604	597	598	650	0	11	31 844	0	16 590	254
5	✓	✓		599	605	607	608	608	607	602	609	652	698	741	760	757	729	691	660	639	622	613	604	597	594	591	595	641	0	12	19 769	22	29 587	182
6				599	602	606	608	610	612	600	605	663	719	714	699	716	663	625	588	554	518	556	547	541	550	532	525	606	1	11	55 793	17	49 504	289
7			✓	547	561	570	572	588	589	587	607	633	688	718	701	692	653	605	595	572	547	501	492	500	483	495	536	585	1	10	40 762	19	16 458	304
8			✓	544	557	553	555	570	571	552	574	608	656	695	686	672	634	633	616	601	571	551	548	547	554	561	578	591	1	10	54 730	0	20 530	200
9				573	570	578	587	583	579	570	598	621	670	730	701	703	656	618	597	567	542	526	548	550	554	579	547	598	1	10	46 749	18	20 507	242
10			✓	560	548	561	578	588	587	591	596	640	696	712	687	689	631	594	583	586	570	583	558	552	577	550	568	599	1	10	48 744	20	59 536	208
11				578	573	582	575	581	583	586	597	633	673	687	699	641	642	602	553	552	580	578	555	565	555	559	564	596	1	11	28 740	16	02 531	209
12				573	580	568	566	574	580	596	633	673	701	717	722	696	638	601	558	559	563	559	580	561	541	570	558	603	0	11	04 743	21	21 525	218
13				588	578	575	575	578	576	590	625	670	728	743	759	712	653	612	571	578	579	575	548	555	605	560	561	612	0	11	25 778	19	11 544	234
14				583	579	578	574	581	582	584	605	659	717	768	744	720	671	598	563	546	555	541	534	543	555	568	555	604	0	10	30 777	19	32 527	250
15				540	552	580	573	575	577	576	589	644	698	(711)	712	661	624	581	567	570	578	572	545	567	556	584	570	596	0	[11	37 718]	0	32 535	[183]
16				560	569	587	584	582	577	577	588	629	672	713	735	719	683	636	603	588	557	527	548	561	551	557	593	604	0	11	56 751	18	21 521	230
17	✓			578	569	570	579	582	578	579	601	646	690	708	712	699	663	634	590	573	585	585	576	572	576	576	577	608	0	11	15 731	1	50 567	164
18	✓			583	592	593	588	587	586	593	610	630	676	686	661	695	649	631	597	574	567	580	580	583	580	582	592	608	0	12	40 715	17	08 557	158
19				583	609	606	592	604	612	601	587	599	653	682	712	721	672	609	618	594	589	583	583	574	578	579	578	613	0	12	25 740	23	58 560	180
20			✓	557	545	556	590	574	569	573	583	608	663	666	679	596	580	580	600	603	555	548	547	557	584	562	598	586	1	11	46 736	18	02 510	226
21				569	579	583	571	568	567	575	584	616	633	666	670	663	625	608	596	583	567	557	522	558	583	562	561	590	1	11	23 711	19	38 509	202
22			✓	569	572	589	587	603	591	589	603	629	663	704	698	650	673	621	558	573	554	571	546	557	568	572	570	600	1	11	14 737	19	38 541	196
23				575	579	598	591	586	591	584	603	633	663	680	693	686	666	628	585	558	573	577	577	584	591	579	572	606	0	11	28 728	16	10 548	180
24				585	590	580	583	601	590	582	598	622	680	719	708	692	650	620	603	600	586	583	580	572	575	579	587	611	0	10	49 745	20	59 569	176
25				584	583	584	587	588	591	590	622	669	679	709	721	690	663	641	616	604	591	587	583	583	590	567	575	617	0	11	39 752	22	33 564	188
26				569	593	602	591	583	591	601	618	635	666	699	690	681	651	617	606	604	588	590	589	589	582	584	587	613	0	11	37 723	0	00 575	148
27	✓	✓		589	592	594	584	593	587	589	605	637	672	689	696	683	656	602	595	596	589	584	574	577	589	591	585	610	0	12	09 721	19	18 570	151
28	✓	✓		591	587	584	589	593	591	588	586	609	643	679	699	686	670	647	627	620	608	603	598	595	593	596	597	616	0	12	44 724	7	09 574	150
29	✓			599	602	608	602	608	611	627	640	679	712	711	710	699	666	646	630	610	543	553	552	570	583	580	586	622	1	12	23 744	17	41 529	215
30				589	587	594	595	605	601	603	627	670	724	759	805	776	684	667	645	640	626	613	615	585	577	592	576	640	1	12	16 831	23	54 560	271
31																																		
MEANS ALL DAYS				577	581	585	586	590	590	591	608	646	692	717	720	699	663	626	601	589	578	574	568	569	573	572	575	611						210
MEANS TEN DAYS ✲				590	592	593	595	598	598	601	620	664	711	731	739	720	687	650	622	605	595	594	589	588	589	588	588	627						196
MEANS FIVE DAYS † (G. M. T.)				591	594	595	595	599	598	599	618	664	711	739	750	731	696	655	631	618	610	599 605	597 599	594	591	590	587	632						
MEANS FIVE DAYS ‡ (G. M. T.)				555	557	566	576	585	581	578	593	624	673	699	690	660	634	607	590	587	559	551	538	545	550	549	549	592						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 338

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			574	599	601	601	607	614	620	634	667	699	722	740	742	712	672	636	618	613	603	595	588	587	596	602	635	0	12 25	761	0 01	561	200
2	✓	✓		604	604	607	609	611	611	608	616	653	698	749	787	791	757	708	655	629	626	622	609	604	603	603	603	649	0	12 01	812	0 58	599	213
3		✓		600	608	603	604	608	611	615	629	673	698	708	727	723	697	670	645	621	615	624	624	602	567	544	540	632	0	11 40	737	23 12	529	208
4				555	545	564	572	581	590	593	608	629	612	680	676	699	679	640	611	579	549	533	507	511	494	492	506	584	1	12 42	710	21 19	464	246
5			✓	516	539	544	536	554	555	528	533	536	557	603	633	628	606	582	548	519	533	540	552	567	549	553	588	558	1	12 30	654	8 01	491	163
6			✓	545	567	560	553	555	563	563	567	564	638	650	698	660	631	609	593	562	527	516	530	554	490	514	577	574	1	11 12	721	21 18	478	243
7				562	557	563	576	582	585	586	586	607	654	697	693	664	655	615	567	546	556	551	543	550	567	552	583	592	1	10 42	735	18 29	528	207
8				589	561	568	574	575	576	589	606	629	672	686	672	662	610	603	598	583	560	555	576	562	567	582	580	597	1	10 33	703	18 00	540	163
9				574	586	586	571	580	582	595	614	627	661	692	673	691	639	624	591	551	556	532	538	553	570	554	565	596	1	12 27	711	18 46	518	193
10	✓			566	573	571	574	572	582	581	589	618	656	687	678	671	632	613	584	583	582	579	577	572	575	586	577	599	0	11 03	700	0 09	555	145
11				582	584	584	586	582	589	589	613	644	687	693	692	678	649	632	621	616	603	573	537	525	505	532	565	603	0	9 31	703	21 25	500	203
12				565	556	552	572	577	567	573	583	613	642	666	672	673	648	614	597	564	533	538	523	544	555	563	574	586	0	12 21	687	19 14	513	174
13				618	578	572	577	582	582	583	600	636	618	638	653	646	619	608	564	560	568	568	560	573	575	579	582	593	0	11 42	672	16 43	555	117
14	✓			573	582	593	586	584	588	594	609	633	671	686	689	672	650	625	595	582	589	582	579	578	586	581	582	608	0	11 09	710	0 18	570	140
15				597	595	582	576	590	582	575	586	621	652	677	695	697	671	628	596	579	570	586	579	593	591	579	613	609	0	12 15	711	17 24	566	145
16			✓	567	561	574	579	569	582	577	609	629	689	715	675	726	581	549	557	572	534	529	549	552	582	563	574	591	1	10 30	797	13 53	460	337
17			✓	566	578	581	572	572	579	580	588	574	613	586	621	626	613	594	571	562	542	573	562	555	573	593	569	581	1	8 32	661	8 55	508	153
18				565	577	600	579	583	584	586	561	591	603	639	679	645	620	583	565	571	570	579	580	591	574	562	572	590	1	11 35	695	7 40	540	155
19				583	579	580	587	592	589	585	583	607	647	665	660	678	662	598	(588	582)	570	575	579	581	583	590	618	603	1	12 41	703	20 07	562	141
20				593	587	574	574	580	584	587	599	615	636	649	645	655	658	641	615	595	581	580	575	574	574	582	572	601	1	10 18	672	21 26	560	112
21				579	591	593	578	587	595	597	612	615	637	661	648	667	626	622	590	581	584	586	585	594	588	575	583	603	1	10 20	685	21 18	567	118
22				578	580	588	588	606	592	583	595	619	647	675	699	697	683	620	600	590	586	582	578	595	581	589	588	610	0	11 12	715	7 15	571	144
23	✓			582	594	588	592	599	603	607	628	663	692	733	716	695	671	638	619	596	589	590	592	591	588	586	586	622	0	10 55	778	0 38	580	198
24	✓	✓		590	594	599	599	601	597	608	626	652	675	700	716	707	685	639	614	604	598	593	597	595	590	600	608	624	0	12 10	732	21 51	584	148
25				602	596	598	600	602	607	620	635	652	669	686	687	627	660	652	628	612	600	587	578	572	572	579	593	617	0	11 09	734	20 47	566	168
26	✓			581	586	588	588	590	593	603	615	622	631	646	663	658	645	639	621	609	599	595	593	594	592	593	597	610	0	11 41	675	0 58	578	97
27	✓	✓		602	599	609	609	610	616	629	656	677	699	709	699	688	678	660	634	622	611	613	606	606	606	606	607	635	0	10 07	725	1 29	594	131
28	✓	✓		602	601	603	607	608	611	617	635	652	669	671	674	650	642	640	627	612	603	600	600	600	597	603	600	622	0	10 05	694	22 10	593	101
29	✓			586	589	595	603	607	606	617	636	652	688	686	711	662	664	621	616	609	612	602	592	588	585	596	606	622	0	11 32	718	22 06	580	138
30				602	602	612	611	607	616	634	647	652	681	676	723	680	686	634	603	588	539	502	467	545	506	509	523	602	1	11 00	763	19 50	457	306
31			✓	525	532	555	568	567	571	585	584	595	598	642	687	699	660	564	532	483	494	512	508	518	517	503	543	564	1	12 01	735	16 50	464	271
MEANS ALL DAYS				578	580	583	584	588	590	594	606	626	654	677	686	679	654	624	599	583	574	571	567	572	567	569	580	604						177
MEANS TEN DAYS ✲				586	592	595	597	599	602	608	624	649	678	699	707	694	674	646	620	606	602	598	594	592	591	595	597	623						151
MEANS FIVE DAYS † (G. M. T.)				600	601	604	606	608	609	615	632	661	688	707	721	712	692	663	635	618	611	605 610	599 607	597	595	597	599	632						
MEANS FIVE DAYS ‡ (G. M. T.)				544	555	563	562	563	570	567	576	580	619	639	663	668	618	580	560	540	526	534	531	554	544	539	561	573						

MAY 1930

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 339

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1930 — JUNE 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	550	555	567	566	567	568	578	587	625	649	664	671	672	649	617	587	550	542	541	578	539	565	558	555	588	0	12 01	702	20 45	527	175
2			✓	570	570	582	582	573	574	568	583	597	642	654	701	685	657	619	573	548	536	548	534	535	536	576	553	587	1	11 43	717	17 25	507	210
3				561	582	562	560	565	574	576	613	647	675	701	720	686	666	612	587	573	560	579	567	564	581	578	578	603	0	11 44	738	0 12	531	207
4				605	586	582	586	573	567	569	584	604	640	654	674	661	633	602	580	559	556	563	555	570	578	580	576	593	0	11 25	694	16 55	548	146
5	✓			576	578	584	583	584	588	587	585	562	583	593	610	636	627	633	615	588	585	577	576	574	576	578	586	590	0	12 24	647	8 55	554	93
6				584	585	610	591	590	594	607	627	646	672	664	675	661	663	627	620	610	588	583	580	560	581	582	570	611	0	13 08	702	21 20	554	148
7			✓	573	592	568	571	569	575	583	595	590	593	637	638	662	637	618	607	591	577	552	543	536	566	581	559	588	0	12 28	669	20 25	520	149
8				573	587	599	589	587	588	603	615	603	625	648	667	658	646	625	608	599	589	587	589	581	579	593	592	605	0	11 19	679	0 00	564	115
9				579	592	588	582	584	591	600	626	647	659	672	665	666	658	642	612	594	577	570	588	592	570	568	577	608	0	11 03	685	22 09	560	125
10	✓			586	590	585	588	595	598	606	624	638	651	667	662	671	653	622	603	586	590	588	591	592	592	592	593	611	0	11 00	680	0 04	577	103
11	✓	✓		593	591	592	593	594	597	602	611	614	633	647	665	660	642	620	600	598	598	605	612	615	602	587	599	611	0	11 21	672	22 35	579	93
12			✓	612	625	615	610	637	624	620	626	657	651	707	728	665	666	619	596	574	537	545	553	571	585	583	581	616	1	10 22	800	18 08	518	282
13				581	580	611	593	581	587	589	607	632	649	669	658	658	625	603	588	581	581	576	589	583	598	577	585	603	1	10 32	700	20 10	570	130
14	✓			592	594	596	585	582	586	599	600	613	628	638	650	644	636	624	612	598	589	588	588	587	587	588	588	604	0	11 24	659	3 32	578	81
15		✓		587	586	587	590	590	599	618	632	654	677	698	718	702	681	658	639	619	611	614	615	618	613	601	612	630	0	10 59	742	1 20	585	157
16			✓	596	572	548	577	498	472	463	444	456	518	585	590	597	588	547	516	501	493	510	514	552	526	528	554	531	1	11 02	627	7 56	398	229
17				550	544	555	556	560	572	578	587	606	625	653	654	648	633	600	579	577	572	573	581	582	556	556	572	586	0	10 50	668	2 00	539	129
18				567	572	578	576	579	577	580	588	619	628	681	693	649	599	565	561	570	561	550	577	572	579	572	569	590	0	11 09	722	18 50	548	174
19				583	578	582	585	588	581	585	581	607	640	648	650	651	636	619	607	593	588	581	579	570	570	594	596	600	0	12 26	664	21 10	557	107
20	✓			585	578	586	587	588	592	606	625	633	655	681	696	697	671	630	593	573	581	581	588	585	583	582	595	611	0	11 51	715	16 12	568	147
21	✓			590	585	588	588	593	596	606	610	639	666	684	684	674	660	637	612	601	597	593	588	581	594	581	584	614	0	10 36	709	22 51	578	131
22	✓			597	594	583	585	588	588	599	609	628	658	676	694	702	675	643	616	607	599	597	594	590	590	587	588	616	0	12 34	706	2 47	580	126
23	✓	✓		592	599	595	595	600	602	604	616	643	677	702	698	687	664	638	618	609	603	603	602	600	599	593	591	622	0	10 25	706	23 59	587	119
24	✓	✓		587	592	593	598	602	601	614	632	647	(661	664)	669	677	648	636	621	612	605	598	599	598	601	599	599	619	0	12 11	686	0 13	585	101
25	✓	✓		601	601	602	610	610	618	626	638	649	664	685	694	704	684	659	635	626	623	618	616	608	612	612	609	634	0	12 20	708	0 15	598	110
26				602	593	588	593	599	606	607	613	613	640	643	672	682	678	658	632	611	605	610	612	588	582	600	581	617	0	13 19	689	23 22	568	121
27				591	590	610	605	602	612	631	636	667	696	710	714	692	671	635	615	564	566	573	602	572	555	586	598	621	0	10 52	744	21 50	540	204
28				574	591	593	624	622	621	627	625	637	678	655	677	671	658	623	611	585	586	577	589	595	589	600	581	616	1	9 52	703	0 21	571	132
29				580	588	586	592	592	597	612	611	632	664	696	721	679	657	619	581	587	576	576	575	582	588	587	613	612	1	11 27	738	17 37	570	168
30				596	575	588	586	591	594	605	613	645	667	700	723	711	673	652	611	592	582	584	590	587	588	586	602	618	0	11 37	736	1 24	572	164
31																																		
MEANS ALL DAYS				584	585	587	588	586	588	595	605	622	645	666	678	670	651	623	601	586	578	578	582	579	581	583	585	605						146
MEANS TEN DAYS ✲				590	590	590	591	594	597	605	615	627	648	664	672	675	656	634	612	600	597	595	595	593	594	590	593	613						110
MEANS FIVE DAYS † (G. M. T.)				592	594	594	597	599	603	613	626	641	662	679	689	686	664	642	623	613	608	595 608	595 609	593	594	592	592	621						
MEANS FIVE DAYS ‡ (G. M. T.)				580	583	576	581	569	563	562	567	585	611	649	666	656	639	604	576	553	537	539	579	570	576	566	576	586						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TA LE 340

HORIZONTAL INTENSITY

JULY 1930 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JULY 1930

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M	MAXIMUM	MINIMUM H M	MINIMUM	RANGE
1				597	595	608	601	599	592	586	598	624	667	705	716	699	672	622	594	579	578	582	582	580	580	583	598	614	0	11 08	725	17 31	572	153
2	✓			598	596	605	600	601	601	610	622	658	652	686	713	710	674	629	595	579	583	593	583	580	599	598	593	619	0	11 48	731	17 24	573	158
3				597	601	601	599	606	607	611	621	605	631	632	653	661	650	624	602	589	595	596	580	575	580	578	584	607	1	11 14	692	20 34	570	122
4				600	597	607	613	600	601	591	580	591	614	629	661	662	652	620	611	592	579	574	571	586	594	605	597	605	1	12 22	689	8 08	557	132
5				599	597	598	611	613	613	618	625	653	664	678	658	649	662	649	619	602	591	592	583	580	598	611	599	619	1	10 53	701	20 20	573	128
6				593	598	598	598	601	604	608	614	630	652	670	676	681	662	634	609	601	596	595	597	597	598	599	583	616	0	12 44	693	23 59	580	113
7	✓			583	583	589	596	598	602	621	643	664	684	710	715	698	686	637	616	597	593	597	597	600	601	596	594	625	0	11 40	721	1 24	580	141
8	✓	✓		596	599	602	603	604	607	609	609	612	625	629	659	648	622	613	601	598	594	591	582	587	594	591	595	607	0	11 40	667	19 54	580	87
9				600	602	606	609	611	616	629	642	659	681	748	762	750	742	733	681	666	625	615	576	560	535	570	551	640	1	12 00	794	21 46	525	269
10			✓	559	580	582	575	596	579	577	579	610	648	678	699	689	665	631	608	569	557	555	560	569	534	501	521	593	1	11 52	708	22 48	468	240
11			✓	562	550	553	561	566	574	585	605	625	646	657	673	677	658	606	566	564	580	568	557	553	575	563	603	591	1	12 03	692	0 51	526	166
12			✓	580	579	571	571	577	579	595	624	646	676	676	687	657	649	613	562	567	578	579	582	580	577	592	591	604	1	11 40	710	15 40	528	182
13			✓	597	598	587	590	589	587	583	588	594	635	643	617	627	627	612	596	585	573	576	573	575	578	578	588	596	1	12 02	667	18 53	561	106
14				593	580	593	589	588	587	598	604	626	668	685	690	684	655	617	598	596	594	589	588	600	589	594	592	612	0	11 15	698	1 27	578	120
15				599	594	592	595	595	590	596	599	614	633	678	683	667	637	613	592	590	588	591	589	589	591	597	601	609	0	11 00	709	20 53	584	125
16				585	606	609	598	599	594	592	604	636	648	705	683	685	653	(596	538)	542	562	576	584	558	576	570	569	603	1	10 37	734	[15 34	526	208]
17				577	587	596	585	587	588	590	601	600	637	647	650	638	625	599	597	599	597	596	595	592	590	590	586	602	0	11 42	674	0 04	571	103
18	✓			588	609	597	593	598	603	601	614	634	659	674	693	680	655	621	608	603	604	602	598	591	595	596	590	617	0	11 49	702	0 41	580	122
19	✓			589	593	597	598	604	609	603	598	621	646	659	674	675	666	635	602	599	584	585	592	591	588	599	598	613	0	12 01	685	18 02	578	107
20	✓	✓		598	595	604	604	604	607	613	619	637	658	682	699	703	685	655	618	606	599	599	600	599	595	597	599	624	0	12 31	707	21 41	591	116
21	✓	✓		599	602	594	599	601	604	612	619	636	654	660	661	660	649	636	622	604	598	599	599	599	596	598	598	617	0	12 29	667	2 29	589	78
22	✓	✓		594	604	600	600	602	606	619	637	652	665	668	668	656	638	619	599	595	598	598	596	597	598	598	598	617	0	11 29	676	0 20	592	84
23	✓	✓		601	601	602	605	605	604	617	627	653	670	701	731	711	687	673	643	622	609	603	598	599	603	600	600	632	0	11 21	740	20 10	596	144
24				599	601	604	607	611	613	612	597	602	641	659	673	657	638	616	609	613	637	611	561	557	571	571	578	610	1	11 35	684	20 14	546	138
25			✓	562	567	597	585	594	609	625	653	671	684	665	694	632	623	587	589	582	576	581	605	581	593	601	580	610	1	11 23	708	1 06	531	177
26				573	614	597	586	598	593	598	625	649	677	696	705	693	648	629	612	607	599	593	575	588	575	597	600	618	1	11 23	718	0 30	561	157
27				596	595	603	605	601	601	610	622	648	653	680	693	679	629	589	580	592	597	594	588	580	582	581	589	612	0	11 36	706	15 16	576	130
28				593	595	603	603	606	610	621	635	662	693	726	718	706	676	647	597	593	587	597	598	597	603	594	578	627	0	10 48	735	23 41	571	164
29				596	598	591	598	602	600	590	616	653	690	711	728	736	696	619	587	569	575	586	588	591	590	593	593	621	0	12 05	745	17 16	563	182
30				582	601	604	598	596	599	607	624	644	673	709	751	709	675	647	612	602	596	589	594	570	572	591	600	623	0	11 25	760	20 58	563	197
31	✓			598	605	602	606	607	602	600	611	637	671	700	713	707	679	631	593	594	598	596	598	604	591	594	606	623	0	12 10	723	22 08	582	141
MEANS ALL DAYS				590	594	597	596	599	599	604	615	634	658	679	690	680	659	627	602	593	591	590	586	584	585	588	589	614						145
MEANS TEN DAYS ✲				594	599	599	600	602	604	610	620	640	658	677	693	685	664	635	610	600	596	596	594	595	596	597	597	619						118
MEANS FIVE DAYS † (G. M. T.)				598	600	600	602	603	606	614	622	638	654	668	684	676	656	639	617	605	600	596 598	597 595	597	596	598	597	619						
MEANS FIVE DAYS ‡ (G. M. T.)				572	575	578	576	584	586	593	610	629	658	664	674	656	644	610	584	573	573	572	567	564	558	559	569	597						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 341

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1930

AUGUST 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			601	600	602	614	604	610	615	630	646	678	685	696	693	671	646	622	602	605	607	602	602	601	611	620	628	0	12 30	703	2 39	596	107
2	✓	✓		606	600	607	611	611	619	612	612	630	654	684	696	682	659	630	613	606	603	605	604	598	600	604	611	623	0	11 32	705	20 35	597	108
3	✓	✓		610	611	613	611	615	620	623	630	646	656	668	689	699	674	647	624	613	603	596	608	604	606	602	613	628	0	12 35	707	18 38	593	114
4	✓	✓		608	605	606	611	613	614	617	630	648	674	691	692	684	664	636	611	602	597	601	599	599	601	603	603	625	0	11 00	696	17 50	593	103
5				608	614	622	622	622	624	634	643	667	676	690	707	698	674	632	603	600	581	598	604	584	615	602	606	630	1	11 35	728	20 16	557	171
6			✓	614	586	574	613	611	605	590	583	593	632	592	639	620	617	609	571	562	585	570	530	553	557	556	577	589	1	9 41	666	19 19	506	160
7			✓	565	576	576	596	581	574	577	587	606	642	662	686	694	630	604	592	579	574	548	535	530	576	559	557	592	1	12 24	705	20 29	523	182
8			✓	578	587	579	602	600	581	600	623	610	646	668	700	686	666	622	590	579	577	576	575	597	567	562	576	606	1	12 02	722	21 47	552	170
9			✓	611	594	587	579	596	578	586	566	592	623	664	666	668	645	605	582	560	572	583	577	577	582	574	591	598	1	10 52	691	7 22	553	138
10				578	583	588	583	582	583	592	596	619	628	646	671	643	642	622	597	582	574	552	547	564	575	585	593	597	1	11 04	696	19 33	536	160
11				582	588	593	596	593	595	607	618	653	679	696	706	686	651	615	582	589	585	588	587	583	596	585	572	614	0	11 23	723	23 54	562	161
12			✓	585	585	590	581	592	597	606	623	632	655	685	678	679	653	608	579	558	574	563	568	592	597	569	591	606	0	10 39	711	16 44	544	167
13				591	574	586	586	591	591	587	601	623	656	663	690	683	664	627	600	580	575	583	591	585	591	581	597	608	0	12 19	702	17 19	571	131
14				596	593	598	590	595	601	594	598	616	643	666	681	679	683	645	575	591	579	572	579	596	569	569	564	607	0	13 05	701	15 19	561	140
15				612	578	593	586	581	587	594	601	618	628	635	663	678	672	638	617	594	582	581	584	583	583	583	577	606	0	12 41	681	23 55	570	111
16				580	580	574	574	586	585	586	590	626	647	680	674	664	642	627	609	597	580	564	566	577	581	585	586	602	0	11 18	688	19 55	557	131
17	✓	✓		590	593	597	596	597	597	597	603	613	650	660	700	695	660	632	602	579	586	597	583	585	598	593	593	612	0	12 04	718	19 50	572	146
18				594	598	597	602	600	605	617	628	648	664	681	691	690	660	638	593	573	571	577	581	584	596	589	591	615	0	11 38	704	17 11	566	138
19				596	596	596	597	617	611	575	566	565	616	633	657	634	630	616	585	570	574	580	580	580	583	586	578	597	1	11 23	665	8 32	514	151
20				580	590	593	599	600	606	618	628	637	650	626	646	636	650	640	616	600	604	602	592	572	582	588	590	610	0	9 35	661	20 19	564	97
21				591	593	596	600	608	620	620	635	636	680	680	679	711	711	656	596	551	558	548	552	560	581	594	558	613	1	12 37	733	19 17	533	200
22				563	585	588	588	587	592	613	626	637	639	650	658	671	665	646	610	596	583	581	581	561	585	592	575	607	1	13 00	690	21 12	555	135
23				577	583	602	605	603	605	611	635	655	676	675	725	678	656	633	600	576	577	588	597	577	569	600	577	616	1	11 26	751	21 19	565	186
24				591	586	594	594	594	588	601	614	635	663	689	695	660	652	627	606	591	579	581	579	574	576	593	589	610	0	10 37	715	18 30	563	152
25	✓			586	590	590	589	589	595	608	619	641	653	680	691	695	691	646	618	602	594	593	589	586	588	597	590	618	0	12 02	705	1 12	581	124
26	✓			592	596	598	600	598	599	604	628	656	709	725	747	750	714	664	618	596	576	588	593	599	597	584	588	630	0	12 28	768	17 30	569	199
27	✓			592	593	583	587	595	600	600	603	605	650	673	717	683	674	650	596	578	586	590	593	591	590	591	592	613	0	11 11	733	15 58	573	160
28	✓	✓		592	592	594	596	598	602	608	623	656	698	719	731	705	676	645	627	599	591	586	576	577	578	585	592	623	0	11 18	741	19 25	571	170
29	✓			592	595	596	600	604	605	610	629	656	701	706	726	711	665	636	593	592	596	592	597	589	591	588	600	624	0	11 42	741	22 22	580	161
30				594	593	598	604	603	606	608	619	636	656	666	671	666	646	625	631	614	565	574	586	606	571	575	590	613	0	11 52	686	21 58	552	134
31				569	572	578	578	584	588	594	603	619	641	655	669	651	645	642	624	619	606	596	602	601	597	587	564	608	0	11 37	686	23 57	552	134
MEANS ALL DAYS				591	591	593	596	598	599	603	613	630	657	671	688	679	661	633	603	588	584	583	582	583	586	586	587	612						146
MEANS TEN DAYS ✲				597	598	599	602	602	606	609	621	640	672	689	708	700	673	643	612	597	594	596	594	593	595	596	600	622						139
MEANS FIVE DAYS † (G. M. T.)				601	600	603	605	607	610	611	620	639	666	684	702	693	667	638	615	600	596	592 597	595 594	594	596	599	604	623						
MEANS FIVE DAYS ‡ (G. M. T.)				591	586	591	594	596	587	592	596	607	640	654	674	669	642	610	583	568	576	568	566	569	582	573	578	599						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 342

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1930 — SEPTEMBER 1930

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				545	551	574	578	582	576	578	587	608	610	612	645	647	644	623	605	570	563	564	574	585	549	560	596	589	1	12 12	663	1 00	537	126
2				575	571	584	580	584	598	609	623	639	669	691	689	669	649	629	625	616	597	596	595	594	595	589	602	615	0	10 28	705	1 11	566	139
3			✓	578	593	583	601	595	586	587	605	636	665	664	614	662	641	610	581	532	516	533	549	562	546	539	557	589	1	10 08	734	17 22	503	231
4				571	571	573	582	606	592	583	588	612	636	644	655	637	607	589	574	579	582	582	583	589	584	591	580	595	1	11 26	664	1 00	567	97
5				581	591	595	592	596	597	601	614	649	633	664	666	618	589	620	599	592	585	582	580	587	600	600	588	605	1	10 33	695	13 15	564	131
6			✓	584	597	604	599	590	553	571	600	646	685	720	721	674	660	602	583	571	565	575	576	580	580	581	580	608	1	11 04	755	5 40	548	207
7				586	581	585	593	586	581	603	621	658	692	699	698	652	600	575	574	578	574	560	556	557	556	563	566	600	0	10 00	712	20 18	552	160
8	✓			589	584	580	587	590	592	613	646	688	724	760	740	690	660	614	600	606	601	596	595	594	594	593	593	626	0	10 55	780	0 01	571	209
9				596	595	610	605	597	605	584	601	634	655	706	715	685	670	646	595	580	563	577	565	581	559	561	574	611	0	11 00	747	21 39	551	196
10				574	574	588	582	583	584	584	598	627	658	661	654	658	631	612	604	601	605	599	595	595	595	593	598	606	0	12 07	669	0 58	570	99
11	✓			600	602	603	607	605	604	600	635	682	709	720	725	693	657	627	622	614	595	576	583	593	593	587	590	626	0	11 49	740	18 39	573	167
12	✓			577	579	580	583	586	592	595	617	661	695	712	714	690	676	634	604	593	577	560	563	581	577	569	585	612	0	10 37	726	19 00	553	173
13	✓			590	596	595	595	597	598	601	622	660	702	741	747	740	713	676	631	595	584	587	557	550	549	552	570	623	0	11 22	755	20 57	546	209
14	✓	✓		579	582	585	590	595	599	596	605	633	665	696	727	725	705	679	640	604	593	587	584	579	576	574	579	620	0	11 45	754	22 10	571	183
15	✓	✓		594	585	580	591	595	600	609	622	647	685	716	718	698	659	645	628	611	605	603	600	602	602	602	602	625	0	10 44	731	2 06	577	154
16	✓	✓		602	603	605	608	611	612	618	636	668	716	742	749	744	709	665	638	622	614	613	610	610	609	599	599	642	0	12 17	759	22 50	592	167
17				602	608	610	618	625	633	633	635	649	663	689	698	713	695	675	658	629	617	613	612	608	608	609	607	638	1	12 12	728	0 11	601	127
18			✓	605	605	608	609	612	622	604	541	428	408	551	627	621	600	593	564	528	501	491	488	509	558	551	543	557	2	10 59	695	8 54	299	396
19				542	559	562	563	568	575	579	596	619	633	656	665	659	648	630	609	589	558	572	576	580	587	576	578	595	1	11 51	682	0 28	534	148
20				580	577	578	581	589	591	595	617	641	673	694	690	679	644	613	606	608	605	601	597	598	597	597	597	614	0	10 40	703	1 20	575	128
21				601	598	593	580	576	581	577	598	645	666	712	700	691	631	600	587	590	583	579	575	571	574	578	576	607	0	11 24	726	4 57	551	175
22	✓			577	579	584	592	595	601	613	639	675	713	735	(734)	706	654	622	608	601	600	596	592	586	589	588	589	624	0	10 46	740	0 01	575	165
23				591	594	586	605	593	595	591	617	671	717	743	737	709	645	623	610	600	600	590	592	577	583	583	584	622	0	11 05	760	20 20	571	189
24				587	597	593	595	605	607	614	635	677	716	726	714	689	653	626	615	607	600	599	600	600	603	602	603	628	1	10 44	746	0 02	579	167
25				600	598	597	600	605	609	611	628	655	689	724	727	719	683	635	626	612	588	595	598	600	600	594	591	628	0	11 49	739	17 39	582	157
26	✓	✓		594	597	600	604	610	610	596	601	639	675	714	724	695	668	659	638	625	612	614	609	604	606	609	605	630	0	11 11	737	7 55	589	148
27	✓	✓		605	606	609	610	607	610	607	625	665	700	729	754	737	701	668	645	630	617	611	610	608	600	593	591	639	0	11 24	771	23 20	588	183
28				593	611	610	622	629	614	606	625	658	711	738	756	760	708	680	630	575	582	588	582	572	557	560	558	630	1	12 27	804	21 41	551	253
29			✓	596	585	580	574	577	564	561	548	557	595	634	688	698	684	622	603	579	575	562	581	558	550	543	551	590	1	12 47	717	7 34	517	200
30			✓	561	586	552	578	561	544	552	576	610	623	627	630	609	618	622	607	590	576	577	576	578	568	569	561	585	1	10 26	656	5 19	538	118
31																																		
MEANS ALL DAYS				585	588	590	593	595	594	596	610	638	666	694	701	686	657	630	610	594	584	583	582	583	581	580	583	613						173
MEANS TEN DAYS *				591	591	592	597	599	602	605	625	662	698	726	733	712	680	649	625	610	600	594	590	591	590	587	590	627						176
MEANS FIVE DAYS † (G. M. T.)				595	595	596	601	604	606	605	618	650	688	719	734	720	688	663	638	618	608	597 606	590 603	587	587	586	589	629						
MEANS FIVE DAYS ‡ (G. M. T.)				585	593	585	592	587	574	575	574	575	595	639	656	653	641	610	588	560	547	548	590	584	582	580	581	591						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 343

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				565	569	569	568	568	564	564	578	610	669	693	706	670	668	634	611	591	571	567	572	567	580	573	576	600	0	10 59	727	7 22	551	176
2				580	581	580	581	580	581	580	593	631	659	694	701	680	667	652	628	591	566	586	585	583	585	582	579	609	0	11 44	712	17 14	552	160
3			✓	583	584	582	590	590	584	574	570	612	642	649	651	673	625	607	591	582	575	551	568	568	570	569	581	595	1	12 13	714	18 35	543	171
4				580	575	575	577	587	584	569	579	604	645	671	666	673	645	626	606	590	562	563	587	580	580	578	578	599	1	11 09	686	18 14	551	135
5				582	591	583	578	578	586	587	620	665	692	710	698	662	644	610	596	591	580	572	576	585	577	574	580	609	0	10 49	736	18 33	567	169
6				577	581	588	587	590	594	583	598	640	684	719	707	691	667	605	592	579	577	577	576	582	590	583	587	611	0	10 48	733	20 04	570	163
7				590	586	594	595	592	590	588	620	654	691	696	679	681	655	617	594	573	574	576	584	580	585	579	574	610	0	10 34	708	16 41	567	141
8				576	572	583	584	584	573	575	606	641	680	690	697	679	647	613	594	587	583	583	579	577	585	579	582	606	0	10 25	704	5 52	568	136
9	✓			579	575	580	580	590	582	568	585	624	677	717	733	717	705	663	625	591	577	601	601	599	594	589	592	618	0	11 47	744	7 17	564	180
10	✓			595	595	597	599	600	600	596	620	654	681	699	698	676	647	629	609	595	597	595	586	580	581	583	583	616	0	11 38	716	20 50	578	138
11	✓	✓		579	580	583	595	596	590	581	600	652	702	741	739	715	676	634	613	604	599	599	597	596	595	595	595	623	0	10 40	750	6 31	577	173
12	✓			594	595	597	598	599	594	565	559	590	657	697	721	725	705	668	628	603	599	604	603	603	603	602	602	621	0	12 00	730	8 23	552	178
13	✓	✓		601	602	602	603	603	603	605	632	667	705	737	728	706	675	652	635	617	603	599	596	596	598	591	605	632	0	10 53	743	22 20	590	153
14			✓	615	613	628	641	644	621	603	595	604	699	718	726	679	692	643	542	478	487	490	520	544	556	556	558	602	1	10 00	787	16 54	469	318
15	✓			561	565	569	574	574	571	569	584	609	643	672	673	664	657	646	624	609	590	583	578	578	582	582	580	602	0	11 18	687	0 50	559	128
16		✓		580	585	586	589	589	588	577	585	609	640	(670)	687	696	674	637	611	588	580	591	(588)	▽					0	12 24	703	6 41	573	130
17			✓									▽	537	541	564	587	493	472	438	408	425	464	499	512	522	527	548		2					
18				551	556	560	569	576	576	571	577	607	623	630	650	658	672	664	620	586	566	559	547	562	565	572	573	591	1	13 25	693	19 19	539	154
19				565	571	580	580	585	577	561	583	613	636	644	644	642	655	656	624	596	580	562	554	552	557	571	577	594	1	14 21	672	20 10	539	133
20				570	587	579	578	579	582	576	600	640	674	681	655	605	590	588	594	588	578	566	575	576	574	586	589	596	1	10 14	700	18 33	562	138
21	✓			580	577	584	585	588	587	592	623	657	674	671	667	639	615	611	593	591	591	595	591	588	589	590	591	607	1	10 30	694	1 57	576	118
22	✓			590	589	589	590	592	591	598	632	671	697	705	683	643	603	601	608	603	595	593	591	592	589	590	595	614	0	10 25	715	22 00	585	130
23	✓	✓		591	591	594	595	594	597	606	629	672	712	732	733	691	654	634	612	598	592	598	595	594	595	593	594	625	0	11 27	763	0 37	590	173
24	✓	✓		594	593	597	602	604	605	608	629	664	700	719	737	719	688	658	618	597	598	607	605	594	601	601	604	631	0	11 45	758	1 10	590	168
25				607	604	609	607	611	614	625	658	699	750	798	763	736	661	642	620	600	599	555	548	526	526	562	583	629	1	10 43	832	21 50	520	312
26			✓	571	562	557	565	572	580	590	586	564	556	621	577	616	634	625	598	560	542	554	564	564	570	562	558	577	1	10 28	667	9 54	492	175
27			✓	565	567	570	577	578	569	564	558	627	659	682	665	652	628	618	575	553	561	560	567	590	578	573	577	592	1	10 41	732	17 15	543	189
28				576	576	580	586	585	581	577	607	633	661	704	718	681	658	620	612	586	571	576	581	584	570	575	586	608	0	11 29	741	22 09	564	177
29				579	582	589	584	577	561	531	562	583	667	643	657	677	631	625	612	582	559	569	565	578	570	570	583	593	1	9 40	712	6 44	516	196
30				572	576	580	577	575	574	574	593	606	625	661	658	601	621	604	593	578	575	580	584	583	579	580	580	593	1	10 43	685	6 13	564	121
31				577	574	576	579	578	578	570	602	637	682	689	664	636	637	606	576	576	568	570	576	590	584	584	584	600	1	10 50	722	6 00	557	165
MEANS ALL DAYS a)				581	582	585	587	589	586	581	599	632	670	693	689	672	652	629	605	585	576	576	578	579	580	580	584	607						168 a)
MEANS TEN DAYS ✲				586	586	589	592	594	592	589	609	646	685	709	711	690	662	640	616	601	594	597	594	592	593	592	594	619						154
MEANS FIVE DAYS † (G. M. T.)				589	590	592	597	597	597	595	615	653	692	720	725	705	673	643	618	601	594	595 599	591 596	589	590	590	591	623						
MEANS FOUR DAYS b) ‡ (G. M. T.)				584	582	584	593	596	588	583	577	602	639	668	655	655	645	623	576	543	541	539	573	567	570	574	581	593						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days October 16 and 17 b) Omitting incomplete Greenwich day October 17

TABLE 3[14]

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1930 — NOVEMBER 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				588	584	586	583	584	578	578	598	650	667	688	680	648	634	622	616	604	589	590	592	584	587	590	589	609	0	11 01	697	6 14	571	126
2				588	590	589	589	596	603	605	634	684	755	710	667	662	637	629	623	613	600	579	564	580	581	581	580	618	0	9 18	777	19 09	551	226
3				586	587	589	593	595	601	609	638	680	708	714	697	678	644	641	647	629	615	607	605	602	594	581	597	627	0	11 11	720	22 36	578	142
4			✓	595	595	598	618	603	571	598	607	656	652	681	664	640	616	596	590	589	586	581	582	582	585	590	587	606	1	8 40	697	5 19	559	138
5	✓			585	584	584	588	591	594	606	626	663	687	690	664	642	621	622	612	598	593	595	596	597	597	591	593	613	0	9 12	708	1 40	580	128
6	✓			590	591	589	592	594	602	627	655	688	714	709	681	647	622	604	603	608	605	608	607	604	603	602	598	623	0	9 55	725	1 09	585	140
7	✓			600	603	608	607	607	606	612	652	681	712	731	739	717	659	641	621	618	611	610	613	604	597	599	603	635	0	11 57	757	21 32	591	166
8				605	602	604	606	609	615	613	634	692	723	733	711	697	672	663	614	623	616	599	586	569	560	562	573	628	1	10 01	757	21 12	556	201
9				579	584	587	589	597	601	599	623	665	686	709	719	700	681	663	632	615	608	600	599	596	596	598	600	626	0	11 46	736	0 20	578	158
10				586	599	591	596	602	608	605	626	657	686	688	677	661	651	637	621	614	599	588	591	595	599	600	599	620	0	10 05	716	0 50	582	134
11	✓			601	603	602	603	606	609	603	612	637	658	678	687	689	674	648	628	612	609	610	606	595	587	589	595	623	0	12 08	695	21 42	584	111
12	✓	✓		597	598	600	604	607	607	599	609	644	679	697	705	701	688	662	640	621	609	609	609	609	608	608	607	630	0	11 26	711	1 15	595	116
13				607	609	609	612	612	613	617	628	651	681	704	711	712	704	709	679	649	631	625	626	602	596	599	596	641	1	14 32	766	21 32	574	192
14			✓	607	594	606	608	623	631	631	642	642	657	669	676	657	562	529	464	451	522	535	526	529	514	537	552	582	1	11 51	704	16 12	422	282
15				539	546	549	552	561	564	588	596	610	622	623	607	610	605	603	601	597	586	578	575	574	577	578	577	584	1	10 29	648	0 32	529	119
16				578	581	587	580	587	596	603	619	643	671	684	673	653	627	615	606	593	585	579	577	580	584	579	582	607	0	10 38	695	3 56	573	122
17				578	579	577	592	595	593	593	607	645	671	672	653	647	629	619	(608)	606	603	595	586	589	586	583	580	608	0	9 53	680	2 46	576	104
18	✓			580	584	586	586	590	601	616	642	668	696	684	660	624	624	608	588	588	593	593	594	591	589	589	593	611	0	9 46	705	0 01	578	127
19	✓	✓		593	594	595	593	598	606	619	641	675	(701)	718	718	676	647	621	609	608	604	598	596	596	597	595	596	625	0	11 08	730	3 32	591	139
20	✓	✓		600	598	597	598	600	610	629	662	694	703	704	688	652	632	612	609	604	601	605	604	601	601	602	601	625	0	9 17	710	0 01	595	115
21	✓	✓		600	601	605	605	608	616	634	662	693	703	700	671	652	621	621	617	617	615	613	609	609	610	610	610	629	0	9 28	704	1 00	599	105
22	✓	✓		610	611	612	614	616	617	623	648	680	710	714	711	691	650	636	629	624	619	621	621	621	618	616	615	639	0	11 04	719	0 01	609	110
23				617	613	617	616	616	619	624	636	662	687	697	688	679	671	617	583	574	572	575	576	557	545	538	549	614	0	11 12	704	23 21	522	182
24			✓	576	569	568	575	579	582	598	608	606	658	695	698	680	617	582	590	563	555	561	574	550	546	543	576	594	1	11 21	735	22 29	539	196
25			✓	578	561	568	569	579	567	549	578	575	616	678	668	608	589	551	562	557	529	523	541	552	551	554	561	574	1	10 57	733	18 59	512	221
26			✓	557	571	566	566	568	574	590	607	636	671	702	701	693	646	590	582	579	582	583	572	578	576	580	579	602	1	12 15	726	1 00	554	172
27				584	583	583	579	577	580	587	620	640	674	684	692	661	639	603	598	596	590	585	578	575	580	593	588	607	1	11 17	709	6 37	573	136
28				585	585	584	587	583	589	596	616	627	675	703	699	681	643	602	580	573	579	587	593	588	587	589	584	609	0	10 18	707	16 46	570	137
29				588	585	586	586	594	595	600	622	675	696	707	668	657	654	623	600	590	584	591	594	590	587	585	580	614	0	10 50	718	23 50	578	140
30				597	590	586	586	591	594	602	626	653	679	706	692	668	626	588	575	582	594	590	588	582	578	578	578	610	0	10 50	720	15 31	573	147
31																																		
MEANS ALL DAYS				589	589	590	592	596	598	605	626	656	683	695	685	666	639	619	604	596	593	590	589	586	584	585	587	614						151
MEANS TEN DAYS ✲				596	597	598	599	602	607	617	641	672	696	702	692	669	644	628	616	610	606	606	606	603	601	600	601	625						126
MEANS FIVE DAYS † (G. M. T.)				600	600	602	603	606	611	621	644	677	699	707	699	674	648	630	621	615	610	604 609	602 608	598	597	597	599	628						
MEANS FIVE DAYS ‡ (G. M. T.)				583	576	581	587	590	585	591	608	623	651	685	681	656	606	570	558	548	555	557	584	573	566	563	576	594						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 345

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1930 — DECEMBER 1930

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M	MINIMUM H	M	RANGE
1	✓			577	580	582	587	586	595	606	629	659	687	682	665	632	618	619	614	612	601	597	598	599	599	597	596	613	0	9	23 703	0	21 575	128
2				593	593	596	597	598	608	621	648	673	692	704	689	663	645	628	617	610	609	610	612	640	633	642	632	631	0	10	26 710	1	02 592	118
3			✓	624	625	620	612	633	608	587	567	552	583	494	462	440	406	431	431	461	490	470	448	450	465	468	465	516	2	10	08 678	12	12 245	433
4			✓	483	500	526	524	528	565	564	584	597	604	605	625	621	621	588	581	567	564	556	555	561	570	569	569	568	1	11	06 644	0	04 472	172
5				570	570	573	574	573	584	602	631	650	664	665	643	617	602	589	576	582	583	584	580	583	584	582	582	598	0	9	24 674	0	30 568	106
6	✓			581	580	586	584	590	599	622	643	669	690	699	688	674	637	595	579	583	584	587	579	576	583	588	590	612	0	10	44 711	19	45 573	138
7				590	591	595	597	598	602	611	633	652	667	634	640	624	616	608	600	598	593	599	600	599	599	600	601	610	1	9	47 682	17	00 588	94
8	✓	✓		599	597	597	600	604	614	631	660	680	704	713	696	663	630	603	589	593	602	607	608	608	607	607	607	626	0	10	05 718	15	52 586	132
9	✓			606	608	614	617	616	619	621	620	639	651	652	659	614	601	613	616	623	617	608	606	604	604	603	604	618	0	11	31 672	13	04 592	80
10				609	608	603	604	610	618	624	628	661	692	697	699	688	670	652	635	619	616	610	610	610	609	608	608	633	0	11	12 722	3	10 600	122
11	✓			607	606	608	609	608	612	611	599	611	653	682	695	707	706	696	668	637	618	609	608	608	609	609	610	633	0	12	58 716	7	49 593	123
12				612	615	619	621	624	629	626	640	662	687	698	686	675	704	721	670	638	602	590	601	588	593	600	601	638	1	14	50 738	20	40 581	157
13			✓	601	607	608	604	612	612	616	600	603	653	678	644	660	673	668	642	611	591	595	596	598	597	599	602	620	1	10	52 723	7	35 563	160
14				604	603	606	605	611	612	599	596	595	615	622	620	618	627	657	653	632	599	593	598	599	605	606	607	612	1	14	24 663	8	07 578	85
15				607	608	607	606	606	608	610	620	631	652	674	668	662	653	653	(632)	618	613	608	608	606	608	609	609	624	0	10	48 692	6	34 603	89
16	✓	✓		608	608	606	606	608	613	619	632	650	660	656	637	636	617	625	632	627	616	610	610	615	614	615	613	622	0	9	39 668	2	32 604	64
17	✓	✓		607	611	610	610	612	617	627	649	676	695	699	684	663	633	620	616	618	613	609	608	607	608	608	609	630	0	10	33 700	0	38 605	95
18	✓	✓		610	611	615	618	621	625	638	654	694	713	719	700	657	612	591	591	607	615	621	623	620	619	616	620	634	0	10	11 724	15	13 583	141
19				621	621	621	620	620	627	647	661	663	689	639	637	629	613	604	617	625	614	614	615	614	612	608	611	627	1	9	23 757	14	30 561	196
20			✓	617	614	619	620	623	625	633	669	703	722	758	679	669	582	505	513	602	615	601	575	567	575	581	594	619	1	10	21 781	15	11 468	313
21			✓	593	589	576	569	594	580	588	594	645	665	680	661	627	568	568	579	575	557	576	583	580	580	579	584	595	1	11	10 712	17	15 545	167
22				584	582	585	589	591	595	605	630	661	685	696	681	633	605	588	579	588	587	586	585	588	588	589	589	608	1	9	57 718	13	58 550	168
23				590	587	596	598	596	593	606	616	652	684	702	686	651	613	602	587	580	590	598	591	591	593	600	594	612	0	10	20 722	16	10 569	153
24				595	596	606	599	598	607	613	623	654	635	668	663	664	647	620	610	604	596	594	596	593	593	588	591	615	1	10	15 688	22	17 586	102
25				594	591	596	593	594	599	606	611	621	640	654	650	648	624	618	602	596	593	599	599	599	601	602	602	610	1	10	37 682	1	36 589	93
26				597	602	598	593	595	602	608	620	635	670	670	659	643	600	608	614	612	600	598	600	602	601	594	598	613	1	9	43 686	13	47 589	97
27				603	604	604	600	599	598	598	609	633	670	703	697	676	655	616	603	596	601	602	604	607	608	606	602	621	0	10	20 716	16	37 593	123
28	✓			599	601	602	603	603	605	607	616	640	667	694	688	678	663	641	626	615	609	597	602	605	607	607	611	624	0	10	30 701	18	31 594	107
29				609	609	612	608	607	608	606	616	656	702	731	741	720	699	664	642	607	593	591	609	617	617	615	614	637	0	11	47 756	18	02 578	178
30				615	616	616	607	603	603	605	607	635	661	690	680	656	635	616	612	611	609	607	609	608	608	609	612	622	0	10	06 709	6	08 598	111
31	✓	✓		614	615	614	614	614	617	622	627	640	659	661	663	648	647	646	648	643	627	619	615	611	607	609	613	629	0	11	22 671	21	53 607	64
MEANS ALL DAYS				597	598	601	600	602	606	612	624	645	668	675	664	647	627	615	606	603	597	595	595	595	597	597	598	615						139
MEANS TEN DAYS ✱				601	602	603	605	606	612	620	633	656	678	686	678	657	636	625	618	616	610	606	606	605	606	606	607	624						107
MEANS FIVE DAYS † (G. M. T.)				608	608	608	610	612	617	627	644	668	686	690	676	653	628	617	615	618	615	607 613	607 613	607	607	608	609	627						
MEANS FIVE DAYS ‡ (G. M. T.)				584	587	590	586	598	598	598	603	620	645	643	614	603	570	552	549	563	563	560	570	572	576	580	581	588						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 346

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1930

JANUARY 1930

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				832	832	832	835	836	833	837	841	840	839	837	829	820	818	817	816	823	828	829	835	834	833	832	833	831	1	7	14	843	13 05	812	31
2				832	834	834	834	835	833	832	832	831	833	831	835	830	826	826	831	834	828	827	831	835	833	834	832	832	0	16 05		838	13 06	825	13
3			✓	832	832	835	836	834	833	835	837	829	823	819	819	819	811	803	813	817	829	832	834	833	832	832	829	827	1	7	20	846	14 00	802	44
4			✓	829	829	830	829	832	835	836	842	848	847	845	837	829	826	816	817	819	822	823	829	830	832	833	832	831	1	8	07	850	14 50	815	35
5			✓	831	833	835	834	834	834	834	838	844	849	853	852	839	829	818	814	820	826	831	835	834	831	828	829	834	1	10	43	857	15 20	813	44
6			✓	830	829	828	829	834	837	842	847	844	832	830	824	813	801	791	799	803	818	825	830	830	829	825	832	825	1	7	30	851	14 30	788	63
7			✓	829	831	832	831	833	833	837	843	843	841	843	831	821	813	811	823	828	831	828	831	833	831	830	830	831	1	7	45	845	14 10	809	36
8				830	831	830	830	833	833	836	841	841	845	845	839	820	811	805	810	817	822	825	834	834	834	833	835	830	1	10	52	847	14 36	801	46
9	✓			836	836	836	836	836	834	833	834	833	838	847	834	824	831	837	825	825	828	829	834	836	836	835	834	834	0	10	18	848	12 30	823	25
10	✓			834	834	835	837	837	835	834	840	848	855	855	837	823	821	821	826	830	834	835	839	838	838	838	836	836	0	10	20	857	13 33	819	38
11	✓	✓		835	836	837	838	839	837	837	841	842	844	846	835	821	820	821	821	825	828	828	832	834	835	834	833	833	0	10	10	849	12 40	819	30
12		✓		834	835	836	837	837	836	835	839	843	849	853	842	828	834	843	836	839	837	831	832	835	836	834	832	837	0	10	09	855	12 37	825	30
13				832	835	837	836	835	834	840	854	856	857	854	856	850	848	841	834	825	828	830	833	835	835	835	834	840	0	11	32	859	16 30	824	35
14	✓	✓		835	835	836	836	837	834	832	832	831	833	836	832	827	823	823	824	823	830	829	835	838	837	837	838	832	0	20	45	839	16 11	820	19
15				838	840	841	840	841	839	844	848	841	837	839	836	846	849	835	820	829	835	833	838	838	838	838	838	838	0	13	15	852	15 29	818	34
16	✓			839	839	839	839	840	838	835	835	833	(834 | 834)	830	828	833	833	832	839	843	840	842	842	841	841	839	837	0	17	12	844	11 55	827	17
17				840	843	843	844	844	841	844	842	835	828	827	819	816	812	815	818	825	833	836	839	839	838	836	838	833	1	4	10	846	13 50	809	37
18				839	839	840	842	842	840	838	838	839	837	834	823	819	831	840	838	836	836	837	Δ						0	3	42	842	12 00	819	23
19																						Δ	842	843	843	841	841								
20				842	843	844	845	847	847	852	863	866	866	858	852	839	834	838	835	836	838	838	839	840	843	841	840	845	1	8	55	869	12 56	831	38
21				842	843	843	844	846	850	851	849	846	843	846	840	831	826	823	816	817	829	837	845	844	847	846	843	839	0	6	54	855	16 12	813	42
22				842	842	844	845	847	851	855	861	858	845	831	824	817	815	819	825	827	830	831	837	840	840	840	840	838	0	7	20	865	13 05	814	51
23	✓			840	842	842	843	844	843	838	840	846	853	860	855	855	855	846	836	834	841	842	844	845	844	844	844	845	0	10	50	861	16 04	831	30
24	✓			843	843	843	844	847	847	849	854	848	842	832	827	827	824	824	821	820	826	832	839	840	842	841	841	837	0	7	20	855	16 05	818	37
25	✓			841	842	841	842	843	845	846	854	853	847	849	852	859	862	855	846	838	838	841	847	848	846	846	845	847	0	13	19	863	17 00	835	28
26	✓	✓		844	844	845	846	848	844	845	851	852	850	849	844	843	843	838	832	829	834	839	842	844	845	846	846	843	0	7	22	852	16 29	828	24
27	✓	✓		843	844	845	846	848	847	843	846	853	850	848	840	835	843	850	856	849	847	847	849	849	849	848	847	847	0	15	30	857	12 20	833	24
28				847	847	848	847	848	846	843	845	847	852	856	848	844	839	842	844	846	847	846	848	846	843	844	845	846	1	10	21	859	13 20	835	24
29				844	847	846	850	851	847	850	858	857	860	859	845	842	837	834	837	837	839	840	845	845	845	843	842	846	0	9	57	863	14 16	833	30
30				843	842	843	847	848	847	848	851	850	846	848	845	839	842	839	836	833	835	838	841	842	842	841	841	843	1	7	56	854	16 40	832	22
31				843	843	845	843	848	848	849	851	850	850	849	843	840	831	828	840	842	845	844	846	(847)	850	850	848	845	0	7	09	853	14 00	826	27
MEANS ALL DAYS a)				837	838	839	839	841	840	841	845	845	844	844	838	832	830	827	827	829	833	834	838	839	839	838	838	837							a) 33
MEANS TEN DAYS ✻				839	840	840	841	842	840	839	843	844	845	846	839	834	836	835	832	831	835	836	840	841	841	841	840	839							27
MEANS FIVE DAYS † (G. M. T.)				838	839	840	841	841	840	838	842	844	845	846	839	831	833	835	834	833	835	835 839 / 835 838		840	840	840	839	839							
MEANS FIVE DAYS ‡ (G. M. T.)				830	831	832	832	833	834	837	841	842	838	838	833	824	816	808	813	817	825	828	832	832	831	831	831	830							

a) Twenty-nine days only, omitting incomplete days January 18 and 19

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 347

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1930

FEBRUARY 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				849	850	853	855	858	858	858	867	871	869	868	859	857	859	862	858	852	848	845	849	850	851	851	851	856	1	7 50	871	18 25	845	26
2				851	851	853	855	855	858	857	865	870	868	861	850	846	842	835	840	840	842	846	850	850	849	848	847	851	1	8 17	871	13 58	834	37
3				846	846	847	850	853	854	849	852	851	852	850	841	833	839	843	847	850	850	849	852	852	852	851	850	848	1	5 13	855	12 22	832	23
4	✓			850	851	853	855	857	857	859	864	864	862	852	847	843	837	835	837	837	839	841	846	847	848	848	848	849	0	7 30	866	14 05	834	32
5	✓			847	849	851	853	857	858	854	856	858	858	859	855	843	832	825	831	835	841	844	848	849	849	848	848	848	0	10 59	860	14 20	823	37
6	✓	✓		848	849	852	854	854	856	853	861	869	868	866	857	850	847	842	838	843	848	849	853	854	854	853	852	853	0	8 55	872	15 40	837	35
7	✓			850	851	853	855	857	858	858	860	863	862	861	854	848	848	849	852	853	850	849	851	852	852	853	852	854	0	8 09	865	13 12	845	20
8	✓	✓		852	852	853	855	856	858	857	864	872	874	871	868	866	868	864	858	850	844	845	852	853	853	852	852	858	0	9 00	875	17 24	844	31
9	✓	✓		852	852	852	853	856	855	853	856	855	861	856	854	850	851	845	839	838	837	846	852	853	853	852	852	851	0	9 20	863	17 10	835	28
10	✓	✓		852	853	853	853	857	856	855	858	862	866	868	860	858	859	859	854	850	847	850	852	853	854	853	854	856	0	10 30	870	17 10	847	23
11				853	853	854	855	855	855	857	860	860	859	859	860	865	865	858	847	842	841	847	853	854	854	854	854	855	0	12 50	868	17 16	840	28
12			✓	848	848	852	856	857	855	854	860	856	853	854	846	843	836	834	832	829	830	845	850	847	852	852	851	848	2	7 40	862	16 53	824	38
13			✓	853	851	853	854	856	855	862	872	875	858	849	848	835	837	837	836	842	843	846	847	848	853	853	853	851	2	8 06	882	12 55	829	53
14			✓	852	852	854	855	857	854	853	856	851	850	848	847	849	847	847	839	841	844	849	851	850	853	853	852	850	1	4 35	857	15 30	838	19
15			✓	850	852	854	855	856	856	857	862	868	863	858	858	856	843	832	829	827	832	840	846	848	850	853	851	850	1	8 16	872	16 05	827	45
16			✓	851	855	854	854	855	855	854	861	866	867	863	854	851	850	844	837	839	843	848	851	853	851	853	852	853	0	8 40	868	15 44	836	32
17				852	856	856	856	856	857	(857)	867	877	875	869	862	864	855	849	845	844	847	849	853	854	853	853	853	857	0	8 47	879	15 52	843	36
18				853	853	857	856	856	856	855	860	863	863	862	856	847	843	843	844	842	842	847	854	853	853	852	852	853	0	10 18	864	13 09	841	23
19	✓			855	854	855	856	856	857	857	867	871	870	862	853	848	847	842	841	842	847	849	853	855	855	855	854	854	0	8 00	872	15 50	840	32
20				853	853	856	857	859	857	853	858	863	863	859	854	859	862	857	850	850	849	852	858	857	857	857	857	856	0	8 50	865	17 20	848	17
21	✓			857	857	857	856	857	856	853	858	863	870	870	866	871	864	856	849	846	844	849	856	858	859	858	858	858	0	9 50	872	17 05	844	28
22	✓	✓		856	856	856	858	859	859	854	857	859	859	862	863	864	859	854	849	846	844	852	854	857	859	858	856	856	0	12 30	866	17 12	843	23
23				856	857	857	857	857	856	853	855	859	867	872	872	875	873	872	867	858	854	856	858	857	857	857	855	861	1	12 37	878	17 42	852	26
24				855	855	856	858	860	859	856	858	861	865	863	863	860	862	862	861	858	856	856	857	857	854	854	852	858	1	9 46	866	23 29	850	16
25				855	857	857	859	860	858	856	862	862	852	843	839	835	838	845	847	844	849	854	854	856	856	855	855	852	1	7 35	865	12 38	832	33
26				855	857	857	858	859	858	855	857	860	855	850	847	852	852	855	848	846	847	853	855	855	855	855	855	854	0	8 10	861	11 12	845	16
27				856	858	856	857	860	858	856	861	866	867	867	866	859	856	849	846	847	846	853	858	856	856	856	855	857	0	10 12	870	15 08	844	26
28				856	854	855	858	859	859	860	869	871	872	872	863	854	849	847	845	844	846	851	855	856	854	854	852	856	1	10 30	875	16 36	844	31
29																																		
30																																		
31																																		
MEANS ALL DAYS				852	853	854	855	857	857	856	861	864	863	860	856	853	851	848	845	844	845	849	852	853	853	853	853	854						29
MEANS TEN DAYS ✲				852	852	854	855	857	857	855	860	864	865	863	858	854	851	847	845	844	844	847	852	853	854	853	853	854						29
MEANS FIVE DAYS † (G. M. T.)				852	852	853	855	856	857	854	859	863	866	865	860	858	857	853	848	845	844	847 848	852 853	853	853	853	852	855						
MEANS FIVE DAYS ‡ (G. M. T.)				851	852	853	855	856	855	856	862	863	858	854	851	847	843	839	835	836	838	846	849	849	852	853	852	850						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 348

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MARCH 1930 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MARCH 1930

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	855	856	856	858	859	859	860	864	872	872	872	867	858	856	857	848	847	848	855	856	857	857	855	856	858	1	8 18	874	16 05	847	27
2			✓	857	857	858	860	860	859	857	862	868	866	859	856	851	850	853	849	848	850	854	857	858	857	858	857	857	1	8 39	871	16 00	846	25
3				857	857	859	861	862	861	862	865	872	870	865	856	847	842	839	841	843	848	851	856	856	856	857	857	856	0	9 05	873	14 20	839	34
4	✓			858	858	859	860	861	861	860	860	859	861	860	856	846	841	840	843	847	854	857	859	857	857	857	857	855	0	5 20	862	13 40	839	23
5	✓	✓		857	858	859	860	861	862	863	866	866	863	858	852	846	839	838	841	845	850	855	858	858	858	858	859	855	0	7 08	867	14 05	837	30
6				859	860	860	862	863	862	863	868	869	867	869	865	860	855	854	853	854	856	856	Δ						0	7 50	871	[13 40	853	18]
7		✓									Δ	871	869	867	855	844	835	830	830	834	841	850	856	858	859	859	859		0			14 05	829	
8	✓	✓		860	860	861	862	863	863	863	860	871	871	868	868	865	858	850	845	845	849	856	859	860	861	861	860	860	0	8 05	871	15 47	845	26
9	✓	✓		860	861	862	864	864	863	859	860	862	863	861	861	863	863	858	850	851	856	857	860	859	860	860	862	860	0	4 10	864	15 45	849	15
10	✓	✓		862	862	862	863	864	864	862	860	859	859	861	863	863	861	859	855	851	852	856	858	860	860	860	860	860	0	5 00	865	16 30	851	14
11				861	861	861	861	862	862	862	866	866	866	872	871	872	872	864	851	856	858	858	861	858	859	855	857	862	1	13 20	875	15 20	850	25
12			✓	859	858	856	862	865	866	864	873	877	874	873	872	865	856	855	851	849	851	856	858	857	858	860	861	862	2	8 10	887	16 14	847	40
13			✓	862	862	863	865	865	864	863	869	874	866	863	862	861	863	863	860	855	854	858	860	857	857	859	862	862	1	8 30	877	16 25	853	24
14			✓	863	861	864	863	865	864	863	868	867	863	858	858	858	859	850	847	856	857	859	858	858	860	862	860	860	1	7 30	868	14 51	845	23
15				860	864	865	863	864	865	862	861	861	858	857	862	860	866	866	863	860	859	860	861	860	860	858	860	861	0	13 50	869	9 58	853	16
16				862	861	862	863	(866)	863	862	864	867	868	864	857	857	856	848	851	859	860	859	859	862	861	863	863	861	0	9 10	870	14 40	847	23
17				864	864	863	865	867	867	867	872	874	871	865	863	856	850	850	850	855	856	856	859	859	857	858	861	861	0	7 56	873	13 20	849	24
18				861	862	864	864	865	866	864	865	865	862	861	861	864	855	852	854	858	861	856	857	859	861	861	863	861	0	8 03	868	13 59	849	19
19				864	865	863	864	866	865	868	872	869	865	857	854	853	849	839	828	831	843	853	857	858	858	858	860	857	0	7 35	873	15 30	827	46
20	✓			860	864	863	865	866	867	864	866	864	861	858	860	857	855	851	849	849	853	857	859	858	858	858	859	859	0	7 10	868	15 20	847	21
21	✓			861	864	865	865	866	865	865	868	866	861	855	849	848	849	845	845	847	852	857	859	857	858	857	858	858	0	7 07	869	15 04	844	25
22				860	862	863	868	865	865	865	871	871	866	860	856	860	860	854	856	859	861	861	861	861	861	860	862	862	0	7 20	872	14 30	853	19
23				863	864	864	865	866	865	872	882	884	883	879	871	864	860	853	857	856	(857	857)	859	857	859	856	857	865	0	7 48	884	14 28	851	33
24				860	861	863	866	862	863	866	866	864	863	(857)	859	859	860	858	861	859	861	860	859	858	859	859	861	861	0	6 33	867	10 02	856	11
25	✓			859	860	862	864	865	866	868	869	868	859	855	849	847	845	844	841	847	853	859	858	860	857	859	858	857	0	7 04	871	15 11	841	30
26				859	862	864	865	865	865	867	871	871	863	857	853	857	856	851	848	848	852	857	857	857	859	858	858	859	0	7 50	874	16 07	846	28
27				859	861	861	865	863	863	863	866	869	869	864	863	861	861	853	851	855	859	858	860	859	858	859	859	861	1	9 12	871	15 05	851	20
28				860	862	863	861	864	866	868	870	864	856	853	850	849	847	844	846	851	854	858	858	856	858	858	861	857	0	7 00	872	14 10	844	28
29				861	862	864	864	864	864	864	863	860	857	853	853	852	847	845	847	851	854	858	859	858	857	858	857	857	0	6 31	866	13 50	844	22
30	✓			861	862	863	865	866	866	866	868	873	868	863	857	857	854	851	852	857	861	861	859	859	859	860	859	861	0	8 09	873	14 20	849	24
31	✓			860	863	864	864	865	866	867	865	861	857	851	846	845	840	832	839	846	855	859	859	857	859	858	859	856	0	6 40	867	14 20	832	35
MEANS ALL DAYS a)				860	861	862	863	864	864	864	867	868	865	861	859	857	854	850	849	851	854	857	859	858	859	859	859	859						25 a)
MEANS TEN DAYS ✻				860	861	862	863	864	864	864	865	865	862	859	856	854	850	847	846	848	854	857	859	858	859	859	859	858						24
MEANS FOUR DAYS † (G. M. T.) b)				860	860	861	862	863	863	862	864	864	864	862	861	859	855	851	848	848	852	855 856	858 859	858	859	859	860	859						
MEANS FIVE DAYS ‡ (G. M. T.)				859	859	859	862	863	862	861	867	872	868	865	863	859	857	856	851	851	852	856	858	857	857	857	858	860						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete days March 6 and 7 b) Omitting incomplete Greenwich day March 7

TABLE 349

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1930

APRIL 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			860	863	863	864	866	865	864	862	859	856	861	862	863	861	851	851	854	859	861	858	859	860	860	860	860	1	4 10	867	15 10	850	17
2	✓			862	863	863	865	866	867	867	866	868	866	861	855	854	852	842	841	850	858	859	859	859	857	857	858	859	0	8 01	868	15 50	836	32
3	✓	✓		861	863	863	864	866	867	867	869	868	863	859	859	864	862	855	852	854	859	861	862	861	861	861	862	862	0	7 45	871	15 20	850	21
4	✓	✓		862	863	864	865	866	867	864	862	858	854	852	852	846	836	832	836	844	856	859	859	860	861	865	859	856	0	5 35	868	14 43	831	37
5	✓	✓		860	862	862	864	865	865	864	865	864	863	861	860	859	851	841	837	841	850	856	859	859	861	861	861	858	0	4 38	866	15 01	836	30
6				863	863	865	865	866	867	867	869	868	862	860	865	868	861	857	854	848	852	862	863	862	860	861	862	862	1	7 30	870	16 30	847	23
7			✓	865	865	865	866	868	887	863	852	840	834	832	841	845	844	849	854	851	856	859	860	860	861	863	864	855	1	4 30	870	10 42	830	40
8			✓	864	865	864	866	870	868	869	868	861	854	848	843	840	839	836	833	840	852	858	860	861	861	863	863	856	1	7 09	872	15 30	831	41
9				862	863	865	867	866	866	864	865	864	884	865	862	862	861	861	859	858	859	859	863	865	867	865	864	863	1	5 31	869	16 30	856	13
10			✓	865	864	868	868	871	873	869	863	859	853	850	849	845	841	842	844	848	856	858	858	862	865	862	865	858	1	5 50	874	13 40	840	34
11				866	866	867	868	870	866	870	870	864	857	852	852	856	859	856	856	864	866	864	853	852	855	856	856	861	1	6 23	872	11 33	850	22
12				859	859	856	858	861	862	863	858	859	847	839	835	840	838	836	839	849	857	857	859	857	859	862	861	853	0	6 18	863	11 25	834	29
13				866	864	864	865	865	866	867	866	861	852	844	842	843	843	842	843	850	856	857	855	857	862	857	860	856	0	5 58	868	11 15	842	26
14				862	862	863	864	865	865	865	863	857	851	847	847	845	845	846	848	855	859	857	857	858	859	859	859	857	0	4 22	866	13 10	844	22
15				856	861	864	864	865	864	887	868	866	864	(859)	860	865	866	863	863	867	871	871	869	873	872	873	872	866	0	20 12	873	11 10	859	14
16				872	874	876	874	874	874	875	876	875	876	875	868	866	860	855	856	859	861	864	868	869	869	871	874	869	0	7 23	877	14 10	855	22
17	✓			870	872	873	874	875	873	874	876	876	874	870	870	871	867	861	857	861	867	870	869	872	872	870	871	870	0	7 14	877	15 31	856	21
18	✓			872	873	873	873	873	874	874	875	879	877	871	869	869	857	848	846	854	864	869	869	872	872	872	873	869	0	8 35	880	15 10	846	34
19				871	872	872	873	875	875	873	881	885	885	884	884	875	864	861	862	865	869	868	869	869	871	870	870	873	0	8 40	887	13 42	860	27
20			✓	867	865	869	873	872	873	877	876	874	873	869	870	865	872	868	865	863	863	866	866	870	870	866	869	869	1	6 28	879	12 20	861	18
21				868	871	870	872	875	873	871	868	882	856	855	857	863	867	866	863	864	868	865	865	871	870	867	869	866	1	4 32	876	10 42	855	21
22			✓	871	871	873	873	876	874	872	870	865	860	855	850	852	854	846	850	858	863	864	866	870	869	868	869	864	1	4 10	877	14 20	846	31
23				871	870	872	872	872	873	872	872	869	866	863	862	865	859	853	850	855	863	865	866	868	868	867	868	866	0	5 55	873	15 11	850	23
24				870	870	869	871	872	873	875	876	875	872	862	852	853	856	861	863	868	867	865	867	868	869	868	868	867	0	7 08	879	11 45	851	28
25				867	870	870	871	871	872	872	874	872	868	867	863	866	866	863	862	865	865	865	865	867	868	867	868	868	0	7 40	874	15 16	861	13
26				869	870	870	871	870	872	872	872	872	870	868	868	869	866	865	866	869	867	866	867	868	869	870	871	869	0	5 59	874	14 45	864	10
27	✓	✓		872	874	874	872	875	873	875	874	873	871	864	862	864	869	870	867	866	868	867	869	870	872	871	871	870	0	4 29	876	11 17	862	14
28	✓	✓		872	872	870	873	873	873	879	885	886	882	879	873	871	871	876	873	869	867	869	869	870	872	873	874	874	0	7 30	885	17 17	866	19
29	✓			873	875	875	876	877	878	875	870	867	868	865	865	865	867	870	869	867	866	870	872	874	874	874	874	871	1	4 51	879	12 02	862	17
30				874	874	874	874	876	874	875	871	866	859	858	857	853	857	868	874	876	875	871	871	870	869	871	869	869	1	4 20	878	12 02	851	27
31																																		
MEANS ALL DAYS				866	867	868	869	870	870	870	869	867	863	860	858	859	857	855	854	858	862	863	864	865	866	866	866	864						24
MEANS TEN DAYS ✲				866	868	868	869	870	870	870	870	870	867	864	863	863	859	855	853	856	861	864	864	866	866	866	866	865						24
MEANS FIVE DAYS † (G. M. T.)				865	867	867	868	869	869	870	871	870	867	863	861	861	858	855	853	855	860	862 862	863 864	864	864	865	864	864						
MEANS FIVE DAYS ‡ (G. M. T.)				866	866	868	869	871	871	870	866	860	855	851	851	849	850	848	849	852	858	861	864	865	866	865	866	861						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 350

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1930 MAY 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			873	875	875	875	877	877	876	875	873	873	871	867	868	869	869	869	872	873	872	871	873	875	874	875	873	0	4 50	878	11 50	864	14
2	✓	✓		875	876	876	876	876	875	876	879	879	876	878	882	882	878	880	879	876	873	872	871	872	874	874	874	876	0	12 02	884	19 10	870	14
3		✓		873	875	875	876	876	876	876	874	874	872	870	872	872	870	871	870	869	872	873	873	872	872	870	871	873	0	6 25	877	16 20	868	9
4				875	874	876	878	878	879	881	886	885	883	879	876	880	876	872	870	866	868	870	866	870	870	866	871	875	1	8 00	889	16 30	865	24
5			✓	873	876	875	878	883	883	879	884	882	883	880	874	870	871	869	869	866	871	871	873	875	873	875	874	875	1	7 34	885	16 20	864	21
6			✓	872	878	876	876	878	881	881	887	890	886	878	876	872	873	870	865	863	864	870	871	873	872	877	882	875	1	8 24	893	17 18	860	33
7				877	877	877	880	880	879	878	875	873	871	869	863	861	863	868	874	871	873	870	871	877	879	876	879	873	1	3 02	881	12 01	859	22
8				877	876	879	881	881	881	879	876	871	864	861	863	862	866	873	874	872	869	872	873	872	877	877	875	873	1	3 30	882	10 40	859	23
9				876	879	877	876	878	878	876	870	863	858	857	859	860	860	870	873	874	872	867	873	875	876	876	877	871	1	1 20	880	11 01	855	25
10	✓			879	880	879	880	881	880	880	879	877	875	877	875	870	865	872	873	870	872	873	873	873	875	876	875	875	0	4 50	882	13 10	864	18
11				876	878	878	879	879	879	876	873	867	863	867	873	876	876	878	875	872	872	871	870	872	872	878	878	874	0	5 20	880	9 46	861	19
12				877	878	878	883	879	879	880	875	869	864	860	858	853	855	861	870	870	871	871	872	875	876	876	877	871	0	3 19	885	12 50	849	36
13				878	875	877	878	880	880	878	876	870	865	869	868	864	863	864	869	876	877	873	872	876	875	876	876	873	0	5 18	880	12 45	862	18
14	✓			877	878	879	878	878	879	880	879	878	874	869	865	857	856	858	867	873	875	873	874	876	877	875	877	873	0	6 30	881	13 30	855	26
15				878	876	875	879	881	877	882	887	885	881	872	860	858	862	866	864	867	871	873	874	876	875	876	877	874	0	7 20	888	12 30	857	31
16			✓	874	876	880	880	877	880	882	886	883	881	867	864	857	846	865	869	870	871	871	873	875	876	873	878	873	1	7 31	888	13 05	846	42
17			✓	877	880	879	879	879	880	882	886	882	880	874	875	874	871	872	869	870	873	877	875	875	876	876	875	876	1	7 10	890	15 40	868	22
18				876	879	880	879	878	880	883	881	884	884	879	877	868	865	860	863	868	873	876	876	877	874	876	878	876	1	8 35	886	14 28	859	27
19				877	877	879	880	881	880	882	885	883	878	874	873	873	870	869	(875	878)	883	883	883	884	884	885	886	879	1	7 30	887	13 52	867	20
20				882	884	884	887	886	889	888	887	884	881	876	875	879	883	883	879	875	877	879	879	881	882	881	883	882	1	5 40	890	10 30	872	18
21				885	886	885	884	887	886	888	891	889	891	889	885	886	882	882	883	887	886	883	884	885	884	883	883	886	1	7 22	892	14 02	880	12
22				883	886	887	888	887	885	889	892	887	878	876	876	869	861	863	871	875	877	877	878	881	882	884	883	880	0	7 18	894	13 30	860	34
23	✓			883	885	884	884	885	887	889	890	887	880	876	872	878	877	874	875	872	876	880	881	883	883	883	883	881	0	7 20	890	11 20	870	20
24	✓	✓		884	884	884	884	885	885	886	887	887	892	897	900	893	883	874	871	874	879	881	882	883	884	885	883	884	0	11 24	901	15 34	870	31
25				883	884	885	885	886	886	889	890	885	882	886	883	890	892	884	875	876	878	879	880	880	883	883	881	884	0	12 42	895	15 23	875	20
26	✓			883	885	884	885	885	885	886	881	878	877	877	881	876	882	885	881	874	875	879	879	882	883	883	883	881	0	6 10	888	16 51	873	15
27	✓	✓		884	883	884	884	885	884	884	882	879	876	869	865	865	872	874	874	876	876	879	879	881	881	882	882	878	0	4 49	886	11 40	864	22
28	✓	✓		882	881	883	883	883	883	885	886	880	873	870	875	879	880	878	875	875	879	879	880	882	882	882	881	880	0	7 01	889	10 16	869	20
29	✓			881	883	883	885	884	884	885	882	876	873	871	876	874	872	875	877	878	881	881	879	881	882	883	882	880	0	3 40	886	10 34	869	17
30				883	885	885	885	885	886	888	882	875	874	871	875	873	870	867	872	874	877	877	874	881	883	885	882	879	1	6 20	889	14 10	865	24
31			✓	884	884	889	888	887	888	890	884	875	868	869	871	867	867	868	874	876	882	880	880	881	881	880	885	879	1	6 20	891	12 28	865	26
MEANS ALL DAYS				879	880	880	881	881	882	882	882	879	876	873	873	871	870	871	872	873	875	875	875	877	878	878	879	877						23
MEANS TEN DAYS ✲				880	881	881	881	882	882	883	882	879	877	876	876	874	873	874	874	874	876	877	877	879	880	880	880	878						20
MEANS FIVE DAYS † (G. M. T.)				880	880	880	881	881	881	881	882	880	878	877	879	878	877	875	874	874	876	876 877	876 877	878	879	879	879	878						
MEANS FIVE DAYS ‡ (G. M. T.)				876	879	880	880	881	882	883	885	882	880	874	872	868	866	869	869	869	872	874	872	875	875	875	876	876						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 351

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1930 — JUNE 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	886	887	888	887	888	888	890	889	886	875	869	867	862	862	865	868	871	877	877	878	879	883	881	882	879	0	6 50	891	12 40	860	31
2			✓	883	883	884	884	884	885	889	890	888	884	881	879	871	876	870	870	874	877	877	877	881	883	887	883	881	1	7 08	892	14 43	867	25
3				885	887	882	884	886	887	888	885	878	868	864	858	854	855	858	862	868	875	877	880	882	884	883	883	876	0	6 50	891	12 04	853	38
4				885	882	884	885	883	885	889	893	889	881	875	868	862	862	870	871	873	878	878	880	884	884	883	883	879	0	7 34	895	12 56	859	36
5	✓			885	885	886	885	885	885	887	889	892	895	896	903	902	897	888	882	882	884	883	884	884	885	885	886	888	0	11 50	905	15 55	881	24
6				885	886	887	884	886	886	887	882	875	868	867	868	870	866	869	872	873	877	880	880	881	884	881	882	878	0	6 18	890	13 25	864	26
7			✓	885	883	880	885	886	886	885	887	885	887	888	887	888	883	874	873	874	877	877	882	882	885	885	883	883	0	12 10	891	15 01	871	20
8				886	887	886	884	884	884	886	882	881	882	884	881	886	887	886	883	879	879	879	880	880	882	885	882	883	0	14 40	888	17 15	879	9
9				881	885	883	882	885	885	885	887	882	878	879	879	878	874	870	871	872	875	878	881	879	880	881	882	880	0	7 25	888	14 23	870	18
10	✓			883	883	882	883	883	882	884	880	873	866	864	864	866	863	861	869	872	877	879	879	880	880	881	881	876	0	6 24	886	14 21	859	27
11	✓	✓		882	881	882	882	882	882	884	889	891	890	889	889	890	887	882	880	880	880	882	887	885	885	885	887	885	0	8 40	892	16 45	879	13
12			✓	889	889	888	889	890	888	890	889	885	880	875	874	868	872	872	873	871	873	877	883	885	885	882	882	881	1	3 55	891	11 56	866	25
13				883	883	882	881	883	887	892	890	886	881	879	878	869	869	875	877	876	880	880	882	883	884	882	885	881	1	6 45	894	13 00	865	29
14	✓			885	885	884	884	884	885	886	884	883	884	883	880	877	877	878	878	878	880	880	881	881	882	882	883	882	0	6 30	886	12 22	877	9
15		✓		883	883	884	884	884	885	887	885	883	882	881	880	880	882	881	881	879	878	880	881	882	882	881	883	882	0	6 48	889	16 55	877	12
16			✓	879	880	879	884	877	886	894	913	912	902	894	887	879	876	875	879	881	883	882	885	885	882	882	883	886	1	7 40	917	13 50	874	43
17				884	883	884	884	885	888	889	889	885	878	876	878	880	877	873	873	876	879	880	881	880	880	881	882	881	0	6 50	891	15 00	870	21
18				883	883	883	884	885	886	887	887	885	882	884	878	879	875	878	882	886	883	881	886	884	886	885	885	883	0	7 05	890	13 37	873	17
19				887	885	885	888	886	886	888	890	885	879	879	878	876	871	872	874	877	881	880	882	883	885	885	884	882	0	7 30	891	13 30	868	23
20	✓			884	883	886	885	886	886	889	885	878	873	868	862	860	861	865	868	874	880	880	882	884	884	884	885	878	0	6 40	889	12 20	859	30
21	✓			884	884	885	885	886	887	888	886	885	879	877	875	875	875	874	877	877	880	879	881	881	884	882	884	881	0	6 25	889	11 00	872	17
22	✓			884	882	883	885	885	885	887	887	885	879	877	876	880	875	869	868	872	879	882	882	883	885	885	885	881	0	6 30	888	15 10	867	21
23	✓	✓		885	884	884	885	885	887	888	885	880	873	871	872	875	873	873	876	878	881	883	883	882	884	885	885	881	0	6 43	889	11 00	869	20
24	✓	✓		886	886	886	886	887	886	889	887	880	(872	864)	872	876	877	871	870	871	875	877	878	878	878	878	879	879	0	6 19	890	[9 42	859	31]
25	✓	✓		880	880	880	881	881	881	884	883	875	868	864	862	862	861	856	862	869	874	874	875	877	879	879	879	874	0	7 11	886	14 13	852	34
26				879	879	880	881	882	884	883	887	888	886	883	888	876	865	862	866	870	875	875	877	877	876	879	877	878	0	11 28	890	14 08	860	30
27				878	879	882	880	880	882	886	884	877	869	864	863	858	861	863	865	866	875	876	877	878	879	883	882	874	0	7 05	887	12 43	856	31
28				881	885	884	888	884	882	885	886	883	877	873	871	862	864	868	876	875	874	876	879	879	881	878	878	878	1	3 20	891	12 30	861	30
29				881	883	881	882	881	881	884	883	879	871	873	872	875	872	873	877	882	882	882	885	886	887	886	887	880	1	22 54	889	11 40	871	18
30				883	883	886	886	887	888	892	895	894	889	884	872	858	855	856	860	865	875	879	882	885	885	884	885	880	0	7 42	896	12 55	854	42
31																																		
MEANS ALL DAYS				883	884	884	884	884	885	887	888	884	879	877	875	873	872	871	873	875	878	879	881	882	883	883	883	880						25
MEANS TEN DAYS ✲				884	883	884	884	884	885	887	886	882	878	875	876	876	875	872	873	875	879	880	881	882	883	883	883	880						23
MEANS FIVE DAYS † (G. M. T.)				883	883	883	884	884	884	886	886	882	877	874	875	877	876	873	874	875	878	880 / 879	881 / 881	881	882	882	883	880						
MEANS FIVE DAYS ‡ (G. M. T.)				884	884	884	886	885	887	890	894	891	886	881	879	874	874	871	873	874	877	878	881	882	883	882	884	882						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 352

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1930 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JULY 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				884	885	885	884	885	886	888	893	891	885	880	874	866	861	860	866	874	877	879	882	884	885	885	887	880	0	7 44	894	13 55	858	36
2	✓			885	886	887	885	886	886	887	885	885	881	887	890	879	870	868	873	878	883	884	885	887	889	888	888	883	0	11 20	892	14 25	867	25
3				888	887	886	886	889	887	890	893	897	895	895	893	889	879	870	871	874	877	882	884	886	887	886	887	886	1	8 32	900	14 25	869	31
4				888	888	892	890	889	888	892	898	899	891	887	890	899	899	892	887	882	881	882	885	887	888	888	887	890	1	13 00	904	17 30	880	24
5				889	887	890	890	889	890	890	888	883	874	873	880	889	880	869	873	877	879	883	885	886	887	889	886	884	1	3 08	892	14 35	867	25
6				887	888	888	889	890	890	892	890	886	881	879	880	878	876	874	877	880	884	885	885	886	887	885	885	884	0	6 40	892	14 10	874	18
7	✓			887	887	889	891	890	890	894	887	876	866	862	862	859	854	861	866	875	883	883	884	885	886	887	887	879	0	6 24	896	13 30	853	43
8	✓	✓		888	888	888	888	888	889	892	899	900	900	899	898	895	895	898	895	890	886	885	885	887	888	888	889	892	0	8 25	902	18 40	885	17
9				891	891	892	892	891	891	894	889	883	880	884	885	881	869	865	871	878	880	884	884	885	883	884	885	884	1	6 21	896	14 30	863	33
10			✓	888	889	889	889	893	891	896	903	896	885	881	880	876	875	875	884	885	888	887	888	888	882	882	891	887	1	7 50	904	12 55	874	30
11			✓	892	889	892	892	892	893	897	899	896	889	882	883	880	876	878	884	888	890	887	888	889	890	888	891	889	1	0 03	900	13 10	875	25
12			✓	884	884	889	893	893	895	897	894	887	883	878	876	877	881	878	874	882	887	888	890	890	890	892	889	886	1	6 20	899	15 40	872	27
13			✓	891	891	891	892	893	894	899	903	900	896	884	880	887	890	884	883	887	888	888	889	889	892	891	892	891	1	7 41	905	11 10	880	25
14				891	891	894	894	894	894	896	898	901	894	891	890	889	887	886	886	887	890	891	891	892	892	892	891	892	0	8 10	902	15 50	884	18
15				893	893	894	895	895	895	897	897	892	886	887	883	881	877	880	886	890	891	891	892	893	893	893	893	890	0	6 42	898	13 30	876	22
16				891	895	893	892	894	894	897	899	899	899	896	891	883	872	(870	876)	888	895	895	893	891	894	893	893	891	1	9 50	901	[14 12	870	31]
17				895	894	896	893	894	896	899	897	892	888	884	882	883	880	880	882	886	890	892	893	894	894	894	893	890	0	6 42	901	13 10	877	24
18	✓			895	895	894	894	896	897	897	896	893	890	886	896	894	883	880	882	885	891	892	893	894	894	894	894	892	0	5 50	898	14 58	879	19
19	✓			894	894	894	895	895	896	897	898	898	894	890	890	895	891	880	881	888	889	891	893	894	895	895	894	893	0	7 07	898	14 20	879	19
20	✓	✓		894	894	894	894	894	897	898	900	899	898	895	888	889	890	887	880	885	888	892	892	892	894	895	895	893	0	7 39	901	15 30	878	23
21	✓	✓		894	894	893	895	895	896	897	898	897	898	900	898	899	901	900	894	894	894	893	892	894	895	895	895	896	0	14 01	902	2 00	892	10
22	✓	✓		895	895	895	896	898	899	901	901	895	895	900	902	899	898	895	892	894	892	892	895	895	896	896	896	896	0	11 45	903	17 30	892	11
23	✓	✓		897	897	897	898	897	897	900	897	894	889	886	887	884	876	877	883	885	889	892	893	895	896	896	897	892	0	6 26	902	13 49	873	29
24				897	898	898	900	900	900	901	912	914	914	918	920	914	901	896	897	903	904	900	898	898	902	902	899	904	1	11 33	922	15 00	895	27
25			✓	899	905	907	908	910	911	913	906	892	877	876	882	884	887	889	896	895	898	899	901	900	904	902	902	898	1	6 39	917	10 01	872	45
26				902	906	901	904	907	908	909	906	897	892	886	885	880	875	886	893	898	902	901	899	902	901	904	902	898	1	6 38	911	13 21	874	37
27				902	903	904	904	904	904	910	914	910	899	897	894	886	883	892	901	897	896	897	896	898	898	898	902	900	0	7 40	915	13 09	881	34
28				902	902	901	902	903	903	903	899	891	885	885	889	893	890	891	889	893	894	897	898	897	898	897	896	896	0	6 30	905	10 20	883	22
29				902	902	902	902	901	900	905	904	900	895	889	890	885	877	875	883	890	897	897	900	901	902	901	899	896	0	6 50	908	14 20	873	35
30				898	901	898	899	900	901	901	899	895	889	883	883	881	886	885	883	889	894	896	897	896	899	901	900	894	0	6 23	902	11 50	881	21
31	✓			899	898	899	900	900	899	900	900	897	896	897	892	884	883	881	883	889	893	895	897	897	897	899	900	895	0	6 28	901	13 59	881	20
MEANS ALL DAYS				893	893	894	894	895	895	898	898	895	890	888	888	886	882	881	883	887	889	890	891	892	893	893	893	891						26
MEANS TEN DAYS ✲				893	893	893	894	894	895	896	896	893	891	890	890	888	884	883	883	886	889	890	891	892	893	893	894	891						22
MEANS FIVE DAYS † (G. M. T.)				894	894	893	894	894	896	898	899	897	896	896	895	893	892	891	889	890	890	890 891 / 891 891		892	893	894	893	894						
MEANS FIVE DAYS ‡ (G. M. T.)				891	892	894	895	896	897	900	901	894	886	880	880	881	882	881	884	887	890	890	890	890	889	890	891	890						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 353

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1930

AUGUST 1930

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			898	899	900	900	899	901	900	901	899	891	883	885	885	881	882	884	892	898	899	898	899	899	900	901	895	0	7 10	902	13 20	880	22
2	✓	✓		899	899	900	901	901	903	903	907	911	913	913	912	912	906	900	898	899	898	898	897	898	899	900	899	903	0	9 35	914	15 01	896	18
3	✓	✓		900	901	901	901	902	903	903	904	901	894	894	894	889	884	886	887	888	892	896	901	900	901	900	901	897	0	7 31	905	13 10	884	21
4	✓	✓		901	899	902	903	903	904	905	909	907	904	898	893	897	900	903	904	902	901	899	899	899	899	899	900	901	0	7 35	910	11 50	892	18
5				901	901	901	901	901	902	904	904	902	902	902	897	890	883	886	890	892	893	897	897	897	898	899	900	898	1	6 31	905	13 40	882	23
6			✓	895	893	897	903	903	902	905	912	921	913	914	909	905	904	893	887	891	897	896	895	898	901	903	903	902	1	7 59	922	15 35	887	35
7			✓	898	899	898	903	901	903	906	898	886	878	878	881	887	881	881	881	881	888	893	895	896	900	896	896	892	1	6 28	908	10 02	877	31
8			✓	899	898	898	900	901	901	907	911	904	901	895	890	879	874	875	880	886	892	896	896	897	893	897	898	894	1	7 33	911	13 15	872	39
9			✓	903	899	897	899	903	901	906	906	902	897	891	889	891	891	893	891	891	895	895	897	898	898	897	900	897	1	7 48	909	11 31	888	21
10				897	898	899	898	900	902	903	901	896	889	885	879	882	882	883	892	899	900	897	898	901	902	900	901	895	1	6 21	904	11 37	877	27
11				900	902	903	904	903	907	907	904	898	891	886	880	876	879	885	890	895	896	899	898	899	900	896	898	896	0	5 48	909	12 35	873	36
12			✓	901	901	902	903	906	906	907	907	902	895	892	890	895	895	890	891	897	901	902	903	904	902	902	906	900	0	6 10	909	11 33	889	20
13				902	903	904	904	906	906	908	909	902	892	887	888	886	885	889	894	896	902	901	901	901	902	901	903	899	0	7 01	911	13 30	883	28
14				903	902	903	903	905	905	908	908	904	897	889	888	888	882	878	876	888	895	898	900	898	898	899	903	897	0	6 50	909	15 10	874	35
15				903	898	901	900	904	904	907	909	908	904	897	899	899	896	892	894	896	898	900	900	901	901	900	900	900	0	7 13	909	14 40	892	17
16				900	900	901	902	903	903	907	910	907	905	899	896	895	893	890	889	892	894	897	900	901	901	902	902	900	0	7 32	911	14 50	889	22
17	✓	✓		903	904	904	904	905	906	908	911	904	897	893	890	887	893	896	897	901	903	903	900	903	904	903	904	901	0	7 29	912	12 30	887	25
18				905	905	905	906	905	907	907	902	893	889	883	884	886	883	879	885	889	895	899	901	901	902	902	902	896	0	6 10	909	14 18	876	33
19				902	903	903	905	907	906	909	915	919	914	911	913	914	912	(903)	899	895	901	906	906	905	905	906	906	907	1	8 39	924	16 18	893	31
20				907	908	910	910	911	912	912	909	905	901	902	907	911	913	909	902	900	902	906	907	905	906	908	907	907	0	13 10	914	16 07	898	16
21				907	908	909	909	910	910	909	908	904	902	898	900	898	899	901	896	900	904	903	904	906	909	907	905	904	1	6 10	912	15 30	893	19
22				907	910	909	909	910	911	910	902	898	893	889	889	894	897	901	906	905	904	904	903	906	910	909	907	903	1	6 09	914	11 03	889	25
23				907	907	909	908	908	909	910	907	905	902	898	899	896	897	901	899	900	902	905	903	904	905	908	905	904	1	2 30	911	11 57	893	18
24				908	906	908	908	908	908	908	906	902	894	890	888	888	895	898	901	901	900	901	900	903	905	906	906	902	0	5 22	909	12 20	884	25
25	✓			905	906	908	908	908	908	907	898	892	886	886	888	891	892	894	898	899	901	903	903	903	906	905	905	900	0	4 40	910	10 49	885	25
26	✓			906	906	906	906	908	909	910	911	906	898	894	889	860	877	878	883	895	897	901	902	903	904	903	903	899	0	7 20	911	13 02	876	35
27	✓			906	906	906	907	908	909	909	910	915	910	905	896	890	893	899	900	906	905	904	905	904	906	905	907	905	0	8 40	918	12 19	889	29
28	✓	✓		906	906	907	907	907	908	909	910	907	902	900	899	894	886	887	891	895	900	903	904	905	906	907	908	902	0	6 09	910	13 40	885	25
29	✓			908	908	908	908	909	909	910	909	901	890	881	879	878	878	886	893	902	903	905	906	906	906	906	906	900	0	6 30	911	12 11	877	34
30				908	907	909	909	909	911	911	910	908	902	903	905	900	896	892	899	901	898	905	907	909	906	910	909	905	0	22 50	913	14 20	890	23
31				906	909	909	910	910	911	912	910	907	906	902	907	910	899	885	880	886	897	903	906	906	907	906	903	904	0	6 12	913	15 20	879	34
MEANS ALL DAYS				903	903	904	904	905	906	907	907	904	898	895	894	893	891	891	892	895	898	900	901	902	903	903	903	900						26
MEANS TEN DAYS ✲				903	903	904	904	905	906	906	907	904	898	895	892	890	889	891	894	898	900	901	902	902	903	903	903	900						25
MEANS FIVE DAYS † (G. M. T.)				902	902	903	903	904	905	906	908	906	902	900	898	896	894	894	895	897	899	899 900	900 900	900	901	901	902	901						
MEANS FIVE DAYS ‡ (G. M. T.)				899	898	898	902	903	903	906	907	903	897	894	892	891	889	886	886	889	895	896	896	897	898	898	899	897						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
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△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 354

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1930 — SEPTEMBER 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				902	904	909	910	910	911	913	914	915	909	904	899	893	886	886	885	885	892	902	905	905	902	907	909	902	1	8 08	917	14 00	884	33
2				906	908	910	909	911	914	916	920	916	912	904	900	896	898	898	901	900	902	906	908	909	910	910	908	907	0	7 30	921	12 25	895	26
3			✓	906	909	908	910	911	910	909	909	903	900	896	897	899	895	893	889	887	893	903	906	907	903	903	906	902	1	4 40	912	15 45	885	27
4				909	909	910	910	912	911	916	917	911	901	899	900	897	900	905	910	908	906	906	907	908	907	908	908	907	1	6 50	918	12 44	895	23
5				909	910	910	910	912	912	912	912	908	901	902	904	904	909	908	905	903	904	907	906	907	906	906	908	907	1	6 08	913	10 41	900	13
6			✓	908	909	909	911	912	914	919	914	906	896	893	888	888	891	892	896	901	904	908	906	906	907	907	909	904	1	6 40	922	11 38	887	35
7				909	909	909	909	910	912	911	907	903	898	893	888	891	898	906	909	910	907	903	904	906	906	907	907	905	0	6 10	914	11 38	886	28
8	✓			911	908	909	911	912	912	911	908	904	900	894	888	886	890	897	901	902	903	905	906	907	907	907	908	904	0	5 56	913	12 20	884	29
9				907	908	910	910	911	914	910	910	903	897	896	897	897	890	884	881	888	897	904	903	905	903	905	906	902	0	5 10	915	15 10	879	36
10				906	908	910	909	910	911	916	921	922	918	914	913	914	911	906	896	895	897	902	904	905	906	908	909	909	0	7 55	923	16 10	893	30
11	✓			908	910	910	911	912	912	916	921	918	907	904	903	899	894	894	894	897	900	903	905	907	908	907	908	906	0	7 30	922	13 30	892	30
12	✓			906	907	908	909	910	913	919	924	920	914	911	904	898	898	892	893	896	899	904	907	908	907	908	909	907	0	7 20	925	14 30	891	34
13	✓			911	911	911	911	912	911	913	916	915	907	899	898	892	887	889	891	896	901	903	904	905	906	906	909	904	0	7 35	917	13 40	885	32
14	✓	✓		910	909	910	911	912	913	915	917	917	913	909	906	901	898	896	895	896	903	906	907	908	909	910	911	908	0	7 28	918	15 50	893	25
15	✓	✓		911	909	910	914	913	914	915	913	912	907	905	905	908	909	905	903	904	907	908	909	911	912	912	911	909	0	5 50	915	10 58	902	13
16	✓	✓		912	911	912	914	914	915	914	912	909	903	904	903	898	894	894	895	898	904	908	908	909	909	908	909	907	0	5 59	917	13 40	894	23
17				910	912	913	913	914	915	913	910	909	907	907	910	908	906	905	904	904	907	908	909	910	911	912	911	910	1	5 50	917	15 55	903	14
18			✓	911	911	911	913	913	919	925	927	934	933	915	909	905	904	905	906	903	905	906	910	914	914	911	912	913	2	9 05	944	16 28	901	43
19				912	915	915	915	917	920	922	921	917	910	907	910	905	897	902	907	907	906	911	910	911	911	912	913	911	1	6 50	923	13 20	896	27
20				913	913	913	915	915	915	915	913	908	902	903	904	907	909	908	914	916	913	912	911	911	911	911	911	911	0	16 40	918	10 00	901	17
21				912	913	914	914	915	916	917	917	917	911	904	894	895	896	902	908	911	909	909	909	908	910	912	912	909	0	6 48	918	11 30	892	26
22	✓			912	912	913	915	914	915	914	912	908	903	901	(897)	892	895	899	900	900	905	909	909	908	911	911	911	907	0	5 10	916	12 20	891	25
23				913	913	914	916	917	918	923	924	920	916	914	915	912	912	916	919	916	913	911	910	911	911	912	912	915	0	7 08	928	19 35	910	18
24				910	913	913	915	916	915	914	915	918	919	920	921	916	910	907	907	909	910	911	910	910	911	911	911	913	1	11 30	921	14 45	906	15
25				912	912	913	914	915	916	920	924	922	919	915	914	914	907	905	908	907	906	911	910	910	910	910	910	913	0	7 20	925	14 30	905	20
26	✓	✓		910	913	913	914	915	915	921	932	933	930	932	925	919	913	909	901	905	907	909	911	910	911	911	911	915	0	8 00	936	15 37	900	36
27	✓	✓		909	911	912	912	913	914	916	921	926	922	918	904	897	896	897	895	897	903	906	908	909	908	907	909	909	0	8 30	927	15 20	894	33
28				909	910	911	911	914	913	915	921	923	917	917	908	900	893	886	883	887	898	905	905	906	906	907	906	906	1	8 00	924	15 21	882	42
29			✓	909	905	906	907	910	910	918	923	930	924	916	915	907	895	889	895	898	905	906	908	903	903	902	902	908	1	8 41	934	14 01	888	46
30			✓	900	903	901	909	911	909	911	911	906	904	905	907	908	910	903	899	897	901	904	907	907	906	906	904	905	1	6 50	914	16 12	896	18
31																																		
MEANS ALL DAYS				909	910	911	912	913	914	916	917	915	910	907	904	902	900	899	900	901	904	907	907	908	908	908	909	908						27
MEANS TEN DAYS ✲				910	910	911	912	913	913	915	918	916	911	908	903	899	897	897	897	899	903	906	907	908	909	909	910	908						28
MEANS FIVE DAYS † (G. M. T.)				910	911	911	913	913	914	916	919	919	915	914	909	905	902	900	898	900	905	907 907	908 909	909	910	910	910	910						
MEANS FIVE DAYS ‡ (G. M. T.)				907	907	907	910	911	912	916	917	916	911	905	903	901	899	896	897	897	902	905	907	907	907	907	907	907						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 355

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1930

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				905	906	906	908	908	909	912	914	910	903	902	901	895	892	888	894	898	898	902	906	905	906	905	907	903	0	6 55	915	14 40	887	28
2				908	909	910	910	910	910	914	918	915	906	907	909	908	904	894	893	893	898	903	905	905	904	903	906	906	0	7 06	919	15 10	891	28
3			✓	905	906	906	908	909	910	913	914	912	911	909	908	906	907	907	904	901	903	902	905	904	906	906	907	907	1	7 55	917	16 50	901	16
4				905	906	908	909	910	910	909	909	906	904	907	906	905	899	895	895	895	897	902	904	904	906	906	906	904	1	7 00	912	14 58	895	17
5				906	907	906	907	910	909	907	907	899	898	900	895	896	899	898	898	898	899	903	903	903	903	904	905	902	0	4 55	910	11 30	893	17
6				905	907	908	907	910	909	916	925	929	929	923	915	910	908	899	896	896	901	904	903	904	905	904	905	909	0	8 20	929	15 53	895	34
7				906	906	909	909	909	911	914	911	904	900	900	901	898	894	888	889	893	899	903	904	902	902	902	902	902	0	6 42	915	14 40	887	28
8				901	904	906	906	907	909	910	911	905	899	897	899	899	895	886	884	888	895	901	902	902	902	903	905	901	0	6 50	912	15 39	883	29
9	✓			905	905	906	906	908	910	921	929	922	913	905	895	887	884	883	885	888	895	900	902	902	902	903	904	902	0	7 19	930	14 35	883	47
10	✓			904	905	906	907	908	909	914	915	912	910	905	899	895	899	897	896	895	899	903	902	902	902	903	903	904	0	7 19	918	12 25	894	24
11	✓	✓		903	904	905	906	906	908	912	915	912	905	899	888	881	878	877	879	885	893	900	902	902	903	904	904	899	0	7 25	917	14 10	877	40
12	✓			904	905	906	907	907	909	913	920	926	923	925	919	902	892	881	875	882	894	903	905	905	905	904	905	905	0	8 28	929	15 20	874	55
13	✓	✓		904	905	906	907	908	908	904	901	898	896	898	896	896	901	904	902	900	902	905	905	904	904	904	903	903	0	5 00	908	12 10	893	15
14			✓	900	900	902	905	907	907	904	900	896	897	896	892	896	894	887	881	887	897	902	904	904	905	905	904	899	1	5 56	908	15 06	881	27
15	✓			905	906	905	906	907	908	910	913	913	916	915	908	904	901	902	896	895	898	902	903	903	904	904	904	905	0	9 45	918	16 04	893	25
16		✓		904	905	905	907	908	908	906	906	904	906	(908)	905	902	903	900	894	895	905	910	(912)	▽					0	[5 20	910	15 35	892	18]
17			✓									▽	907	909	906	896	894	894	895	898	905	908	910	912	914	915	916		2					
18				915	915	914	913	913	911	912	910	909	913	917	920	920	916	905	900	901	905	908	905	909	909	910	909	911	1	11 20	923	14 56	899	24
19				908	910	910	912	913	914	912	909	903	899	901	904	906	903	897	895	896	905	906	908	908	909	910	909	906	1	5 26	914	14 45	894	20
20				908	909	910	913	915	914	914	909	905	905	901	907	908	904	906	903	904	906	908	910	910	910	911	912	908	1	4 29	917	10 30	900	17
21	✓			910	911	914	913	915	913	914	916	917	920	923	919	910	920	924	911	911	911	912	915	912	912	913	914	915	1	14 30	927	12 25	910	17
22	✓			913	913	914	915	914	913	911	909	907	909	908	910	911	916	915	908	907	908	908	911	911	911	912	912	911	0	14 10	917	8 45	906	11
23	✓	✓		912	912	912	915	915	915	915	913	911	911	909	910	906	908	909	908	907	911	912	913	912	912	912	912	911	0	5 00	915	12 35	905	10
24	✓	✓		912	912	913	914	916	915	917	916	913	909	905	900	896	894	897	896	902	909	911	910	911	911	911	912	908	0	5 10	917	13 10	893	24
25				912	911	914	914	915	915	913	913	910	909	910	900	897	901	904	900	905	906	903	906	904	905	908	907	908	1	4 40	916	12 30	896	20
26			✓	907	906	905	908	914	913	911	902	908	916	911	909	903	897	897	896	900	906	906	908	908	908	908	905	906	1	9 22	921	13 38	894	27
27			✓	907	908	909	911	914	915	919	918	915	909	906	903	902	900	897	895	900	905	909	908	910	908	908	909	908	1	6 38	922	15 36	894	28
28				907	908	908	909	911	912	911	908	903	907	905	900	894	892	888	887	893	902	907	908	907	906	908	908	904	0	5 25	914	15 22	885	29
29				906	908	909	909	912	915	918	915	912	911	908	903	900	897	897	896	898	903	904	903	905	903	905	905	906	1	6 48	923	13 11	894	29
30				904	905	906	908	910	909	907	904	903	902	901	896	893	893	891	886	887	895	904	906	906	906	906	906	901	1	4 55	911	15 59	884	27
31				906	906	906	909	909	908	903	902	900	893	890	894	896	894	889	888	896	901	905	906	907	906	906	906	901	1	4 59	910	10 10	887	23
MEANS ALL DAYS a)				907	907	908	909	911	911	912	912	909	908	906	904	901	899	897	894	897	901	905	906	906	906	906	907	905						25 a)
MEANS TEN DAYS *				907	908	909	910	910	911	913	915	913	911	909	904	899	899	899	896	897	902	906	907	906	907	907	907	906						27
MEANS FIVE DAYS † (G. M. T.)				907	908	908	910	911	911	911	910	908	905	904	900	896	897	897	896	898	904	906 908	907 908	907	907	907	907	905						
MEANS FOUR DAYS b) ‡ (G. M. T.)				905	905	906	908	911	911	912	908	908	908	906	903	902	900	897	894	897	903	905	906	905	905	906	905	905						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete days October 16 and 17

b) Omitting incomplete Greenwich day October 17

TA LE 356

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

NOVEMBER 1930 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) NOVEMBER 1930

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				907	906	906	907	909	907	901	895	894	896	894	892	895	897	892	890	889	897	904	905	904	906	908	908	900	0	4 30	910	16 10	886	24
2				907	908	907	909	911	908	899	891	887	882	878	882	883	885	891	893	899	901	903	904	906	906	906	905	898	0	4 40	912	9 59	876	36
3				906	906	908	908	908	905	905	904	910	918	920	918	921	921	914	904	902	902	905	905	906	905	904	905	909	0	13 40	923	15 48	901	22
4			✓	904	903	907	907	909	907	911	915	916	912	905	899	895	892	890	886	890	898	905	907	907	907	908	907	904	1	7 20	917	15 30	885	32
5	✓			906	907	907	909	909	906	904	906	914	919	920	916	912	916	910	900	893	897	904	904	905	905	905	905	907	0	10 40	920	16 30	891	29
6	✓			905	905	907	908	909	905	903	901	902	902	901	903	904	908	908	904	901	903	905	906	906	906	905	905	905	0	4 15	909	7 25	900	9
7	✓			906	907	907	909	909	908	901	894	891	893	892	892	891	894	896	894	895	900	905	906	904	904	904	905	900	0	5 15	910	12 10	889	21
8				903	903	904	906	908	907	904	905	904	903	900	902	897	896	893	890	896	900	903	903	902	902	902	904	902	1	5 15	909	15 10	889	20
9				904	903	904	907	909	909	912	916	916	917	919	919	911	909	907	901	901	903	904	905	904	903	904	906	908	0	11 15	921	15 24	900	21
10				904	906	906	909	910	910	911	915	918	921	920	916	914	914	909	904	903	903	906	908	907	907	907	908	910	0	11 00	922	16 35	902	20
11	✓			906	906	907	907	909	907	909	914	916	923	927	929	926	920	909	901	900	903	907	906	905	904	906	906	911	0	11 30	929	16 40	900	29
12	✓	✓		906	906	906	907	908	906	909	914	919	924	924	923	916	902	891	886	888	896	903	905	905	904	904	904	906	0	9 30	925	15 30	885	40
13				903	904	904	905	905	902	899	903	903	905	907	909	904	901	898	892	893	899	904	904	899	900	901	900	902	1	11 30	911	15 50	891	20
14			✓	900	900	903	902	904	904	904	904	904	905	911	914	902	899	891	885	895	904	907	904	905	901	903	902	902	1	11 38	917	15 12	884	33
15				902	903	903	905	906	906	914	921	922	916	914	913	912	910	903	901	902	902	904	905	904	903	902	902	907	1	8 00	924	15 10	899	25
16				900	900	901	904	905	902	901	904	910	910	911	911	910	908	907	903	902	905	906	906	905	904	904	903	905	0	11 10	913	5 50	900	13
17				904	905	906	909	909	906	902	903	902	906	907	908	906	905	902	897	898	904	909	909	910	909	910	911	906	0	23 32	911	16 14	892	19
18	✓			911	912	913	914	915	916	913	913	912	911	907	910	909	906	902	898	901	906	913	914	914	913	914	914	910	0	4 24	917	15 19	897	20
19	✓	✓		913	913	914	914	914	910	912	918	921	(926)	929	922	914	912	911	914	915	916	916	915	913	914	916	917	916	0	10 53	930	14 10	911	19
20	✓	✓		918	918	919	919	919	917	918	920	918	918	917	913	910	903	903	905	906	913	918	917	916	916	916	916	915	0	3 20	920	13 20	902	18
21	✓	✓		917	918	918	919	921	915	920	928	931	929	925	925	919	913	909	909	911	913	916	917	917	916	917	917	918	0	8 57	932	15 03	906	26
22	✓	✓		917	917	917	918	918	915	918	920	919	910	906	911	909	907	907	905	909	912	916	916	916	915	916	916	914	0	7 20	921	10 18	904	17
23				916	914	915	917	917	915	915	921	928	927	923	920	915	907	902	900	906	911	916	916	912	910	909	911	914	0	8 58	929	15 04	900	29
24			✓	913	914	914	916	918	916	919	932	938	934	925	913	905	890	895	895	903	908	915	914	910	911	911	912	913	1	8 29	944	13 20	889	55
25			✓	909	913	914	916	920	922	923	925	927	919	913	900	894	895	897	898	901	905	911	915	912	914	916	916	911	1	8 40	932	13 15	892	40
26			✓	915	917	914	916	917	917	921	925	927	928	927	924	917	910	906	911	914	913	914	914	914	915	915	914	917	1	8 22	928	14 00	904	24
27				914	914	915	917	918	920	922	927	927	922	922	915	897	887	889	892	895	903	907	911	911	911	913	913	911	1	8 00	930	13 40	886	44
28				912	912	912	913	914	913	923	935	940	928	920	912	902	896	894	894	898	902	909	911	911	910	912	911	912	0	8 28	942	14 48	892	50
29				914	912	913	914	915	913	913	915	917	913	910	907	897	893	893	894	897	903	911	912	911	911	911	911	908	0	8 25	919	14 00	893	26
30				912	912	912	914	916	913	916	924	931	930	929	924	912	910	910	910	909	909	913	914	913	912	911	911	915	0	8 50	933	16 56	908	25
31																																		
MEANS ALL DAYS				908	909	909	911	912	910	911	914	916	915	913	911	907	904	901	899	900	904	909	909	908	908	909	909	909						27
MEANS TEN DAYS ✲				910	911	912	912	913	910	911	913	914	916	915	914	911	908	905	902	902	906	910	911	910	910	910	910	910						23
MEANS FIVE DAYS † (G. M. T.)				914	914	915	915	916	913	915	920	922	921	920	919	914	907	904	904	906	910	914 914	914 914	913	913	914	914	914						
MEANS FIVE DAYS ‡ (G. M. T.)				908	909	910	911	914	913	916	920	922	920	916	910	903	897	896	895	901	906	910	911	908	908	908	909	909						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 357

VERTICAL INTENSITY

TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1930

DECEMBER 1930

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			910	910	912	913	913	914	914	920	925	928	925	924	923	919	912	904	901	902	909	911	911	911	911	911	914	0	9 21	929	17 00	899	30
2				911	911	911	912	913	910	909	916	917	914	918	918	915	905	904	905	904	907	910	912	913	912	911	907	911	0	8 09	919	14 03	901	18
3			✓	907	907	908	909	913	909	906	918	925	932	943	959	937	934	915	904	901	906	909	911	908	910	910	908	916	2	11 25	974	16 28	899	75
4			✓	907	907	909	907	908	909	913	914	922	926	933	929	918	912	905	900	900	904	907	912	912	913	912	913	912	1	10 40	934	16 00	898	36
5				911	910	911	912	912	909	910	919	923	923	922	917	916	912	914	913	909	908	910	911	911	911	912	912	913	0	9 00	924	17 20	906	18
6	✓			910	910	910	910	910	907	912	920	923	927	933	928	916	907	909	914	908	906	910	909	909	910	911	910	913	0	10 50	934	13 40	905	29
7				909	909	911	912	913	909	911	918	921	925	931	927	920	920	920	915	908	909	911	912	911	912	913	913	915	1	10 50	934	16 48	906	28
8	✓	✓		912	912	913	913	914	912	911	915	917	911	911	908	904	907	912	916	915	913	914	914	913	912	913	913	912	0	8 25	918	12 10	903	15
9	✓			912	912	912	913	914	911	915	928	935	933	935	930	923	920	916	912	909	908	912	913	912	912	911	911	917	0	8 20	935	17 20	908	27
10				912	912	911	912	914	912	913	915	917	914	911	913	910	906	911	907	904	909	912	912	912	912	912	911	911	0	8 00	917	16 30	902	15
11	✓			910	911	912	913	913	912	916	926	928	926	929	926	921	921	925	920	912	909	911	912	913	911	910	910	917	0	7 58	929	17 04	908	21
12				909	910	910	912	914	911	908	908	907	905	908	911	908	911	915	906	904	906	910	910	908	906	904	905	909	1	14 16	917	9 45	904	13
13			✓	905	906	908	908	911	910	911	917	931	930	926	916	908	903	907	908	908	909	911	911	911	911	910	910	912	1	8 55	933	13 50	901	32
14				910	910	911	912	914	914	918	923	933	935	945	947	947	947	942	928	913	907	910	910	910	911	912	912	922	1	11 43	949	17 20	907	42
15				912	913	912	912	913	913	916	917	919	918	925	930	925	922	919	(917)	912	910	914	914	914	915	914	914	916	0	11 29	931	17 02	908	23
16	✓	✓		915	915	915	916	917	914	914	913	914	920	928	931	928	922	922	912	906	906	909	913	913	914	914	914	916	0	11 40	932	16 38	906	26
17	✓	✓		914	915	915	916	915	913	914	917	922	915	915	921	924	926	929	923	912	910	915	916	915	915	915	915	917	0	14 38	931	17 30	909	22
18	✓	✓		914	914	915	916	916	914	916	925	925	922	916	918	922	924	927	921	915	911	915	916	915	915	915	914	918	0	14 15	928	17 35	911	17
19				913	913	913	915	915	915	915	919	918	910	916	931	937	933	928	920	911	907	912	914	913	913	913	913	917	1	12 41	938	9 30	905	33
20			✓	913	912	914	915	916	913	913	915	918	922	918	910	909	900	906	914	915	913	913	909	908	908	908	908	912	1	9 01	922	13 29	898	24
21			✓	907	908	906	909	917	915	919	930	931	922	924	923	921	916	909	898	894	900	908	910	909	911	910	910	913	1	8 15	933	16 15	893	40
22				910	910	911	912	913	912	914	918	914	912	915	916	915	914	910	904	903	903	907	910	911	911	910	910	911	1	7 20	919	16 17	902	17
23				910	909	912	913	912	911	914	914	913	908	901	904	894	897	903	910	910	911	911	911	911	911	911	912	909	0	7 06	917	12 40	892	25
24				912	912	913	911	913	912	915	925	923	925	933	933	918	907	896	891	890	897	906	910	909	909	909	910	912	1	11 10	935	16 10	887	48
25				910	910	910	910	911	912	908	908	908	908	913	913	911	913	908	903	899	902	907	910	910	910	910	910	909	1	11 05	915	16 30	898	17
26				909	910	909	910	911	911	912	917	922	924	923	917	915	913	921	918	907	902	908	911	911	911	911	911	913	1	10 22	926	17 10	901	25
27				911	911	911	911	912	914	912	915	917	914	916	914	904	901	901	902	900	900	907	911	913	913	912	910	910	0	8 10	918	13 20	899	19
28	✓			911	911	912	913	914	913	916	923	920	919	922	923	918	920	916	914	910	911	913	913	913	914	914	914	915	0	7 55	925	16 30	910	15
29				913	913	913	913	914	914	913	912	909	904	908	908	900	895	900	904	903	904	909	912	913	912	912	911	909	0	5 30	916	13 24	893	23
30				911	910	910	912	913	915	911	914	915	920	920	915	905	912	918	915	906	907	911	914	914	914	914	914	913	0	9 30	921	12 25	905	16
31	✓	✓		914	914	914	914	915	914	912	915	914	915	925	928	924	927	921	909	905	908	912	914	915	915	914	913	915	0	11 11	931	16 20	903	28
MEANS ALL DAYS				911	911	911	912	913	912	913	918	920	920	922	922	917	915	914	911	906	907	910	912	912	912	912	911	914						26
MEANS TEN DAYS *				912	912	913	914	914	912	914	920	922	922	924	924	920	919	919	914	909	908	912	913	913	913	913	912	915						23
MEANS FIVE DAYS (G. M. T.) †				914	914	914	915	915	913	913	917	918	917	919	921	920	921	922	916	911	910	912 913	914 915	913	914	914	914	916						
MEANS FIVE DAYS (G. M. T.) ‡				908	908	909	910	913	911	912	919	925	926	929	927	919	913	908	905	904	906	910	911	910	910	909	908	913						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
{} = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 358

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

JANUARY 1931 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JANUARY 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				329	329	328	327	327	327	317	327	337	341	344	345	345	344	343	328	327	332	336	341	341	338	335	337	334	0	10 54	351	6 30	316	35
2	✓			333	330	328	329	332	327	322	327	332	334	338	344	343	342	342	334	326	327	331	335	335	333	333	332	333	0	11 48	348	6 29	320	28
3	✓	✓		332	330	328	327	329	326	314	317	322	330	339	341	348	349	349	344	336	328	329	332	334	333	332	331	332	0	13 06	351	6 41	312	39
4	✓			330	327	327	325	328	324	311	315	324	338	354	371	366	344	337	331	324	322	328	335	334	334	335	333	333	0	11 50	379	6 28	308	71
5	✓			330	330	327	329	327	325	312	317	328	330	334	338	342	346	344	337	330	327	331	336	334	331	329	327	331	0	13 41	348	6 40	311	37
6	✓			325	324	321	323	325	325	314	322	334	346	359	367	362	355	347	343	339	335	331	333	331	330	328	326	335	0	11 40	371	6 33	312	59
7	✓	✓		323	320	321	324	326	326	318	329	336	344	351	351	348	339	326	326	327	327	327	334	334	331	331	328	331	0	11 00	354	6 30	316	38
8		✓		327	325	322	322	321	324	323	335	349	347	345	346	355	355	346	332	327	330	331	337	336	330	332	335	335	0	13 10	358	6 12	320	38
9				332	327	331	324	327	328	325	335	339	346	346	360	366	370	367	354	336	330	327	333	343	345	339	335	340	1	13 10	373	3 12	319	54
10			✓	327	327	331	327	328	329	323	329	340	347	356	366	367	358	346	337	331	332	333	336	336	335	331	331	338	1	12 19	373	6 15	320	53
11				329	328	331	330	331	332	333	346	355	352	350	345	334	326	336	339	331	328	332	335	335	336	334	333	336	0	9 10	357	13 30	320	37
12	✓			331	329	327	326	329	329	323	333	348	362	365	369	361	347	346	345	340	331	326	327	333	332	332	331	338	0	11 39	372	6 30	321	51
13	✓			329	327	325	323	326	325	321	326	326	325	326	322	316	322	329	336	331	328	328	331	331	331	331	331	327	0	15 31	337	12 25	315	22
14				331	328	327	328	326	321	314	328	341	346	350	350	348	354	361	362	348	336	331	335	337	335	336	331	338	0	15 00	368	6 28	312	56
15				331	330	327	326	325	325	317	315	313	320	331	327	309	314	(331)	337	336	336	336	339	341	337	332	329	328	1	20 15	345	13 06	306	39
16			✓	320	317	317	317	310	313	306	327	345	348	350	342	346	329	313	324	338	342	345	342	342	339	334	327	331	1	9 20	367	6 20	301	66
17			✓	322	322	320	324	327	323	314	330	342	353	371	367	353	341	345	348	348	342	337	336	335	335	334	331	338	1	11 01	381	6 25	313	68
18			✓	324	317	323	318	322	329	322	331	342	342	347	353	351	357	357	361	350	342	339	336	331	331	331	330	337	1	15 42	367	1 20	313	54
19				327	327	325	325	326	327	312	313	327	331	336	327	322	323	336	348	350	345	337	336	330	328	328	327	330	1	16 00	353	6 58	307	46
20				326	324	322	322	323	323	316	317	321	332	340	337	333	320	321	324	330	332	331	331	331	332	328	323	327	1	10 19	343	6 40	314	29
21				321	320	318	320	324	324	317	324	335	348	361	360	343	341	356	364	350	336	330	334	331	330	327	325	335	0	11 01	370	6 30	316	54
22				324	323	323	323	322	329	328	331	334	339	341	345	356	367	363	342	324	327	330	330	331	330	329	327	334	0	13 30	368	4 25	320	48
23	✓			327	327	326	324	325	327	319	327	343	357	367	376	381	393	391	374	348	331	327	330	330	329	328	326	343	0	13 50	396	6 40	318	78
24	✓	✓		326	323	322	323	323	323	309	300	302	310	324	331	343	363	356	340	331	330	330	331	331	331	328	326	327	0	13 40	369	8 02	297	72
25			✓	322	316	314	318	324	327	321	322	329	332	341	338	328	341	354	362	361	352	356	352	347	339	334	330	336	1	15 29	366	2 30	312	54
26				326	319	314	317	324	326	319	327	333	333	338	348	350	345	343	345	337	330	329	332	332	331	331	332	332	1	12 40	352	2 20	311	41
27				328	327	323	327	326	326	318	318	327	332	342	346	343	355	362	360	350	340	337	336	334	331	327	329	335	0	14 54	369	7 10	314	55
28				327	324	327	327	327	330	323	323	321	317	322	332	338	332	331	330	327	324	327	327	331	332	331	329	327	0	12 35	342	10 05	313	29
29				327	327	326	327	325	325	320	322	325	324	331	340	340	336	343	345	337	332	331	329	331	330	328	327	330	1	15 01	347	6 40	318	29
30		✓		325	323	322	322	323	324	318	318	322	321	322	331	337	340	343	349	341	331	331	332	331	331	330	326	329	1	15 30	351	6 50	316	35
31				325	325	325	325	327	327	314	309	311	313	322	335	337	340	346	349	343	334	331	332	331	331	329	326	329	1	15 00	351	7 45	307	44
MEANS ALL DAYS				327	325	324	324	325	326	318	324	332	337	343	347	346	345	345	344	337	333	332	334	334	333	331	329	333						47
MEANS TEN DAYS ✲				329	327	325	325	327	326	316	321	330	338	346	351	351	350	347	341	333	329	329	332	333	332	331	329	333						50
MEANS FIVE DAYS † (G. M. T.)				327	324	323	324	324	325	316	320	326	330	336	340	346	349	344	338	332	329	329 332 330 333		332	331	330	328	331						
MEANS FIVE DAYS ‡ (G. M. T.)				323	320	321	321	322	324	317	328	340	344	353	353	349	345	343	346	346	342	342	336	338	337	333	330	336						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 359

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1931

FEBRUARY 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				322	320	321	321	321	319	309	314	327	336	341	348	351	357	352	341	331	326	327	330	332	332	331	331	331	1	13	40 361	6	40 307	54
2				324	323	324	324	327	327	314	308	312	319	320	327	334	344	346	338	331	327	327	331	331	330	327	323	327	1	14	10 347	7	30 307	40
3				318	318	322	325	325	326	317	321	329	330	329	332	337	343	349	349	341	332	329	328	327	326	329	330	330	0	15	00 351	6	41 315	36
4				325	319	320	320	322	327	313	312	317	316	322	326	321	319	324	324	323	322	327	329	329	330	332	332	323	0	22	24 335	7	00 308	27
5	✓			328	322	321	321	322	322	317	317	320	322	326	327	322	317	319	322	327	322	323	328	328	327	326	325	323	0	0	00 332	7	00 313	19
6	✓	✓		323	323	323	322	325	323	312	306	312	325	342	351	350	344	338	329	327	322	319	322	326	327	327	323	327	0	11	35 355	7	20 303	52
7				322	322	318	321	322	322	317	319	332	341	343	345	347	345	332	326	324	321	323	328	332	331	331	332	329	0	12	40 351	6	51 313	38
8	✓			328	327	327	326	327	328	314	307	313	323	337	346	350	350	346	338	329	323	323	327	326	326	326	327	329	0	13	01 354	7	15 306	48
9	✓			326	326	321	321	324	324	317	317	324	336	343	345	339	335	326	321	326	326	326	327	327	326	327	327	327	0	11	49 348	7	00 315	33
10	✓	✓		327	326	325	325	326	328	317	315	322	337	346	353	349	341	335	330	328	328	327	330	327	327	327	327	330	0	11	20 354	7	20 312	42
11	✓			326	324	322	323	324	326	319	319	328	338	348	357	356	346	332	324	320	318	322	324	325	325	325	325	329	0	11	31 361	17	51 315	46
12		✓		324	321	320	320	318	318	309	311	322	334	342	348	346	341	337	326	323	319	320	326	326	327	322	322	326	0	11	14 351	6	51 307	44
13			✓	322	320	317	316	314	313	298	288	300	306	310	326	320	321	311	317	331	326	330	332	335	331	330	320	318	2	16	33 347	7	16 281	66
14			✓	316	316	316	316	318	317	317	321	336	348	347	347	347	342	340	336	331	325	325	330	329	326	326	323	329	1	10	40 358	1	30 312	46
15			✓	320	317	318	314	316	318	316	326	339	353	351	341	337	341	336	336	330	327	328	330	327	326	326	326	329	1	10	20 361	4	00 307	54
16				322	321	317	318	321	319	303	297	315	336	344	337	331	323	318	316	307	309	321	327	327	327	327	326	321	0	10	53 348	7	18 292	56
17				322	322	318	317	318	313	300	301	312	(322	332)	339	333	337	338	330	322	320	320	324	326	326	326	325	323	1	11	32 348	6	58 296	52
18				323	321	321	321	320	320	314	312	321	336	345	345	343	343	334	325	317	314	317	325	327	327	326	325	326	0	12	59 349	7	05 311	38
19	✓			321	319	318	317	318	320	311	311	321	328	337	342	346	345	347	339	329	322	318	324	326	325	326	325	326	0	14	15 351	7	05 309	42
20	✓	✓		322	321	320	319	321	320	312	308	317	331	334	335	336	330	323	311	306	306	314	326	328	329	327	327	322	0	12	21 341	16	53 302	39
21	✓	✓		327	326	326	325	323	319	307	308	323	341	353	355	359	358	356	345	336	322	318	322	321	322	321	321	331	0	12	40 361	7	00 302	59
22	✓			320	321	321	320	319	317	310	309	318	329	336	342	350	350	352	335	317	311	313	319	321	324	326	326	325	0	13	15 354	7	10 307	47
23				324	323	323	322	324	324	316	318	328	340	350	356	356	341	334	340	335	318	316	321	321	324	326	329	330	0	11	54 361	18	25 313	48
24			✓	327	319	321	327	326	319	316	304	306	312	334	326	325	307	311	317	314	309	321	334	336	331	333	329	321	1	10	40 347	7	42 296	51
25			✓	328	329	328	328	328	328	320	315	318	317	323	333	343	349	365	363	358	338	323	321	329	335	331	332	333	1	14	55 367	7	57 312	55
26				332	332	327	328	328	328	313	303	308	312	319	328	328	331	336	328	316	313	316	322	324	323	324	326	323	1	14	25 338	7	19 300	38
27				327	327	326	325	325	321	313	316	323	331	335	336	337	336	331	337	330	320	319	323	324	325	325	325	327	1	13	30 341	7	01 311	30
28				324	324	321	321	322	321	309	302	302	304	314	326	329	331	333	327	318	311	316	321	326	326	324	324	320	0	14	12 336	7	50 301	35
29																																		
30																																		
31																																		
MEANS ALL DAYS				324	322	322	322	322	322	312	311	319	329	336	340	340	338	336	331	326	321	322	326	327	327	327	326	326						44
MEANS TEN DAYS ✲				325	324	322	322	323	323	314	312	320	331	340	345	346	342	337	329	324	320	320	325	326	326	326	325	327						43
MEANS FIVE DAYS † (G. M. T.)				325	323	323	322	323	322	311	310	319	334	343	348	348	343	338	328	324	319	321 320	326 325	327	326	326	326	327						
MEANS FIVE DAYS ‡ (G. M. T.)				323	320	320	320	320	319	313	311	320	327	333	335	334	332	333	334	333	325	325	329	329	328	327	325	326						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⧖ = NO RECORD

TABLE 360

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1931

MARCH 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				326	326	324	324	325	323	316	316	319	325	332	345	347	348	346	329	308	303	311	321	325	326	327	327	326	0	14 10	350	17 30	302	48
2				325	320	318	319	318	313	299	288	291	302	314	326	329	336	334	329	324	320	323	325	325	325	325	323	319	1	13 55	341	7 40	285	56
3				320	325	326	324	321	320	310	309	319	329	344	354	348	349	345	335	322	314	315	321	322	324	325	324	327	1	11 37	357	7 00	303	54
4	✓			323	322	320	320	320	316	303	300	305	308	312	318	319	328	329	321	310	308	314	323	322	324	323	324	317	0	14 09	331	7 23	298	33
5	✓			321	321	321	321	323	322	312	307	311	316	331	340	349	359	356	340	327	316	320	321	320	320	321	321	326	0	13 55	361	7 45	305	56
6	✓	✓		321	321	319	319	320	320	311	311	326	341	353	356	355	350	346	341	329	320	318	320	321	321	320	320	328	0	11 00	357	7 11	304	53
7				321	320	318	319	322	323	312	308	316	331	348	364	365	362	354	339	328	318	316	319	321	321	322	323	329	0	11 32	367	7 00	307	60
8				321	319	317	318	319	318	304	298	306	316	331	344	351	353	345	335	327	318	322	321	323	323	323	323	324	1	12 54	358	7 34	295	63
9				322	321	320	321	321	320	307	294	287	287	294	305	318	333	341	334	328	323	321	321	322	323	323	321	317	1	14 43	343	9 59	275	68
10				320	320	321	321	326	325	321	317	316	319	331	328	333	344	347	345	338	331	326	325	325	323	322	319	327	1	13 45	349	8 00	316	33
11	✓	✓		318	318	319	317	320	321	311	303	306	315	326	335	341	353	354	348	337	326	319	322	321	321	322	321	325	0	13 50	359	7 40	301	58
12			✓	319	318	316	316	316	317	311	308	311	317	318	328	333	333	336	330	330	320	324	327	327	323	322	316	322	1	13 12	346	7 40	306	40
13			✓	316	316	317	318	318	316	304	303	310	313	320	321	326	334	330	323	324	327	322	326	325	322	324	321	320	1	13 20	339	7 02	295	44
14			✓	319	319	319	317	318	312	302	297	299	307	320	330	335	341	339	331	326	321	320	321	321	321	321	320	320	1	13 09	347	8 06	294	53
15	✓			317	317	316	317	318	319	316	312	318	324	333	337	336	331	328	324	317	316	319	321	321	321	321	319	322	0	11 05	341	7 37	310	31
16	✓			318	317	317	319	319	318	316	317	329	341	347	353	351	348	(341)	331	320	317	319	319	320	318	318	317	326	0	11 40	355	6 43	313	42
17				317	317	316	317	318	318	319	322	329	334	335	337	339	342	334	329	326	320	321	320	318	317	317	317	324	0	13 10	344	2 21	316	28
18	✓	✓		316	316	314	315	316	316	308	307	308	312	318	326	333	333	331	321	315	314	316	316	316	316	316	316	317	0	13 10	337	7 50	304	33
19	✓	✓		316	316	316	317	317	316	309	308	316	328	332	338	336	336	331	325	317	317	318	319	319	318	317	316	321	0	11 20	341	6 50	306	35
20				316	315	315	315	316	314	302	297	302	311	317	326	333	338	333	326	321	316	312	315	318	319	319	320	317	1	12 51	342	7 55	293	49
21			✓	320	320	318	318	319	321	317	317	326	341	348	360	363	356	347	333	327	324	322	322	320	318	321	321	329	1	12 29	366	7 13	314	52
22				319	322	323	323	323	323	315	313	320	327	336	336	336	335	332	327	319	321	321	321	322	321	321	316	324	0	10 55	340	7 43	310	30
23				319	322	323	323	326	326	319	313	313	317	330	339	337	335	331	326	318	314	314	314	314	311	318	320	322	0	11 50	342	21 50	310	32
24				321	322	323	326	326	326	320	320	321	328	331	341	339	339	339	331	329	326	319	317	317	318	319	320	326	0	12 00	344	19 02	316	28
25				320	323	324	326	326	328	316	316	316	320	329	333	339	341	343	336	321	318	317	319	318	319	321	322	325	0	14 28	345	7 10	312	33
26			✓	323	318	321	320	320	317	308	305	305	308	321	333	347	352	345	335	329	322	319	320	318	320	321	317	323	1	13 10	356	8 25	299	57
27				314	315	318	318	322	318	309	302	304	315	322	329	331	327	322	322	318	317	316	317	316	318	319	319	318	0	11 50	332	7 41	298	34
28				319	320	321	321	322	322	319	319	323	329	332	331	333	338	333	325	318	311	313	316	316	318	320	320	322	0	13 00	340	17 50	308	32
29				317	319	320	322	322	320	310	310	316	322	326	326	332	332	332	331	327	322	319	319	319	319	319	318	322	0	13 08	336	6 52	306	30
30	✓	✓		317	317	317	318	320	320	312	302	295	292	294	301	307	317	322	320	317	317	318	317	317	317	317	316	313	0	14 20	325	9 30	291	34
31	✓			315	316	317	319	319	322	325	318	314	316	324	326	335	336	326	311	305	311	314	316	317	317	317	317	319	0	12 55	340	16 00	303	37
MEANS ALL DAYS				319	319	319	320	321	320	312	308	312	319	327	334	338	341	338	330	323	318	318	320	320	320	321	320	322						43
MEANS TEN DAYS ✲				318	318	318	318	319	319	312	308	313	319	327	333	336	339	336	328	319	316	318	319	319	319	319	319	321						41
MEANS FIVE DAYS † (G. M. T.)				318	318	317	317	319	319	310	306	310	318	325	331	334	338	337	331	323	319	320 318	320 319	320	319	319	318	321						
MEANS FIVE DAYS ‡ (G. M. T.)				319	318	318	318	318	317	308	306	310	317	325	334	341	343	339	330	327	323	321	322	322	321	322	320	323						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 361

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1931

APRIL 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	316	316	316	317	318	319	316	313	313	311	312	314	320	321	317	316	314	316	317	315	317	317	317	319	316	0	12 59	327	9 40	307	20
2				319	319	319	320	320	320	313	309	307	307	316	322	327	328	324	323	320	321	321	318	317	316	316	316	318	0	13 02	331	8 35	302	29
3			✓	319	319	320	320	322	325	331	333	334	337	341	345	342	341	328	317	314	314	315	316	317	317	318	318	325	1	11 08	350	16 50	312	38
4				317	317	316	318	320	318	312	312	318	323	335	346	350	351	342	328	321	318	317	313	312	315	317	317	323	0	12 50	353	7 05	308	45
5	✓			317	318	319	320	321	323	322	324	330	337	341	347	356	364	353	335	322	317	314	313	313	315	316	314	327	0	13 30	365	19 00	312	53
6	✓	✓		313	314	315	317	319	317	302	300	308	320	336	351	358	360	356	338	325	317	313	312	313	314	316	316	323	0	13 50	362	7 14	298	64
7	✓			315	315	315	316	316	313	305	298	297	298	310	328	340	349	346	337	330	323	316	315	314	316	315	314	318	0	13 50	351	9 23	293	58
8				315	315	315	316	317	317	308	302	299	300	307	321	331	337	341	332	320	306	308	316	313	313	313	316	316	0	14 20	343	8 33	297	46
9				317	318	317	319	321	321	318	312	304	302	302	302	313	327	336	327	317	311	312	315	314	312	311	310	315	1	14 20	338	9 26	296	42
10			✓	317	315	317	320	322	322	317	308	301	299	305	314	329	338	346	342	331	321	319	316	316	316	316	316	319	1	15 10	350	9 15	293	57
11				316	314	313	313	316	318	320	311	307	311	317	321	326	341	351	342	321	312	313	313	313	315	315	315	319	1	14 40	353	8 20	303	50
12	✓	✓		315	315	316	317	319	317	307	297	295	302	313	327	344	354	350	337	325	316	315	311	311	313	312	313	318	0	13 40	357	8 20	294	63
13	✓	✓		313	314	313	315	314	312	309	307	307	311	316	318	331	338	332	322	317	312	315	314	312	312	312	312	316	0	13 30	341	8 00	306	35
14	✓	✓		312	312	314	316	318	321	320	316	317	327	332	330	331	331	325	321	315	311	314	313	312	311	311	313	318	0	10 45	334	17 15	310	24
15				314	313	315	315	316	317	316	312	312	317	311	307	307	317	318	313	308	312	315	316	316	316	316	315	314	1	14 01	321	11 50	302	19
16				314	314	314	315	316	317	(315)	313	312	317	321	327	340	344	340	326	313	311	311	312	312	313	314	315	319	0	13 12	347	18 25	309	38
17				314	315	314	316	319	320	319	317	320	315	320	324	328	333	336	326	312	311	312	311	313	313	309	318	318	0	14 30	338	22 40	306	32
18				319	319	319	318	320	320	316	310	301	302	306	314	320	321	323	322	319	316	318	316	318	317	317	316	316	1	14 55	325	9 08	295	30
19			✓	317	316	316	317	318	321	327	326	329	332	328	326	318	315	317	312	309	312	319	320	316	318	315	312	319	1	9 05	341	16 50	307	34
20			✓	318	321	318	322	326	316	318	328	329	324	319	321	319	323	324	319	316	317	317	317	316	317	317	315	320	1	8 05	334	6 15	308	26
21				315	315	315	317	318	318	321	317	314	312	308	302	298	305	309	315	315	312	313	314	315	315	316	316	313	0	6 20	322	12 20	297	25
22				316	317	316	321	323	324	322	316	310	304	308	315	319	322	323	320	320	316	312	311	313	314	316	316	316	1	14 15	326	9 50	302	24
23				316	316	316	317	320	322	316	307	298	293	297	299	304	311	318	322	319	315	311	311	313	316	316	316	312	0	4 55	324	9 57	292	32
24	✓			316	319	318	321	322	323	315	304	297	294	298	297	290	290	300	309	315	314	313	312	313	314	316	316	309	0	5 30	325	13 29	289	36
25				316	317	317	322	322	324	317	308	297	293	301	312	317	322	324	322	314	306	309	310	311	314	313	313	313	1	14 15	328	9 30	291	37
26				316	319	320	319	316	318	319	314	307	303	305	314	319	321	321	323	322	315	312	313	313	314	315	314	316	0	15 50	326	10 10	302	24
27	✓			314	315	316	318	320	322	326	314	300	293	292	304	319	326	335	331	322	316	313	313	313	313	313	312	315	0	14 40	338	10 05	290	48
28	✓			312	312	314	316	320	323	324	321	316	312	312	318	327	336	336	335	322	313	312	(312)	311	311	311	311	318	1	13 55	340	9 35	309	31
29	✓	✓		311	312	313	317	319	326	327	317	307	301	303	307	315	324	327	326	320	310	310	311	312	313	312	312	315	0	6 10	332	9 40	301	31
30				312	312	311	312	312	316	314	317	312	302	297	299	306	322	335	335	316	311	312	314	314	314	314	313	313	0	14 35	341	10 10	293	48
31																																		
MEANS ALL DAYS				315	316	316	318	319	320	317	313	310	310	314	319	325	330	331	326	318	314	314	314	314	315	314	315	317						38
MEANS TEN DAYS ✲				314	315	315	317	319	320	316	310	307	310	315	323	331	337	336	329	321	315	314	313	312	313	313	313	318						44
MEANS FIVE DAYS (G. M. T.) †				313	313	314	316	318	319	313	307	307	312	320	327	336	341	338	329	320	313	314 313 313 312		312	313	313	313	318						
MEANS FIVE DAYS (G. M. T.) ‡				317	317	317	319	321	321	322	322	321	321	321	324	326	328	326	321	317	316	317	317	316	316	315	314	320						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 362

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1931 — MAY 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				313	313	313	316	317	321	320	316	298	284	283	292	305	314	325	324	315	312	311	311	311	312	312	312	310	0	14 55	328	9 50	281	47
2				311	311	316	316	318	322	329	321	309	296	291	292	299	305	317	324	317	313	311	311	311	312	312	312	312	0	6 42	331	11 00	290	41
3	✓			312	313	316	317	322	327	330	327	320	320	321	322	327	331	331	327	319	312	308	308	310	311	313	313	319	0	13 10	333	19 25	305	28
4	✓			312	315	317	319	321	324	320	315	312	312	320	329	344	356	351	334	317	309	308	308	310	310	312	311	320	0	13 40	360	18 54	307	53
5				312	315	318	319	322	327	327	315	311	311	312	323	327	336	334	327	312	308	310	308	308	311	312	313	317	0	13 40	339	10 10	307	32
6			✓	311	313	313	310	318	316	305	306	306	296	297	299	310	324	336	337	323	316	313	312	310	311	305	304	312	1	15 03	341	10 40	292	49
7			✓	313	317	315	319	322	322	328	336	338	330	324	329	332	341	343	333	319	314	314	314	314	314	314	314	323	1	14 10	347	0 11	307	40
8				313	314	314	317	320	323	323	323	322	319	315	321	325	328	330	329	322	317	316	310	311	312	312	312	319	0	14 00	332	20 00	310	22
9	✓	✓		311	312	314	316	319	320	316	312	304	297	297	307	326	339	347	338	320	311	311	310	310	311	311	311	315	0	14 40	348	10 32	294	54
10	✓	✓		310	311	312	316	318	321	315	309	301	301	303	308	322	337	328	318	309	307	306	307	309	310	310	310	312	0	13 30	340	9 00	299	41
11				311	311	313	316	321	323	327	326	315	301	290	294	304	312	324	327	322	317	317	312	311	310	312	307	313	1	7 11	333	10 43	288	45
12				309	312	316	321	328	333	338	335	328	319	312	306	315	329	338	338	321	311	309	310	310	310	311	311	320	1	15 20	343	11 11	304	39
13			✓	312	313	315	320	323	328	332	330	323	314	317	323	325	327	328	323	309	307	309	310	309	312	311	313	318	1	6 45	335	17 04	303	32
14			✓	312	315	317	323	329	328	324	317	309	295	296	305	311	321	326	324	309	304	303	310	311	312	313	313	314	1	4 41	332	9 20	293	39
15			✓	313	313	317	314	323	331	331	330	325	308	302	298	298	311	320	324	319	313	313	313	313	313	314	315	315	1	6 20	340	12 42	297	43
16				316	314	313	318	320	323	323	322	314	312	307	308	311	320	328	322	310	308	310	309	313	313	314	313	315	1	14 20	331	10 10	305	26
17				313	314	316	315	318	323	328	333	334	332	328	326	324	330	333	328	313	309	309	308	311	308	312	312	320	0	8 47	337	17 20	307	30
18				312	312	313	315	316	322	329	328	322	312	300	293	292	292	302	311	308	306	308	308	308	309	311	313	310	1	7 05	333	12 02	289	44
19	✓			314	318	318	318	318	320	328	331	330	329	(325)	315	308	311	319	323	315	310	310	311	311	311	311	311	317	0	7 10	333	12 50	305	28
20				312	313	313	315	318	323	329	328	318	304	302	301	301	310	318	321	316	311	318	318	316	314	312	310	314	0	6 40	333	11 30	298	35
21	✓			309	308	308	310	318	320	323	323	320	310	303	301	301	299	311	312	308	307	308	308	309	308	308	308	310	0	7 40	328	13 15	296	32
22	✓	✓		309	309	312	315	316	315	317	321	316	313	312	311	312	315	322	322	315	308	308	308	309	309	309	310	313	0	14 40	324	17 25	306	18
23	✓	✓		310	310	312	313	316	315	311	311	308	298	291	292	304	312	321	324	318	310	307	307	305	305	306	306	309	0	15 20	325	11 20	290	35
24	✓			308	308	309	315	316	320	327	320	308	303	298	293	291	305	320	318	312	308	305	306	306	306	308	309	309	1	6 24	320	12 25	288	41
25				311	312	314	314	317	321	323	317	309	310	311	304	307	317	315	308	307	303	302	298	303	305	305	308	310	1	6 14	324	19 40	297	27
26				303	303	307	312	317	317	325	336	334	330	321	318	311	318	320	321	314	306	309	309	308	308	308	308	315	1	8 00	340	1 20	298	42
27				308	308	308	311	313	315	322	322	314	308	301	301	306	310	321	331	319	313	312	309	310	310	310	310	312	0	15 35	334	11 12	298	36
28	✓	✓		309	309	310	313	316	321	328	323	316	308	302	297	299	307	319	324	312	306	307	306	306	307	307	307	311	0	6 20	333	12 05	295	38
29				307	309	310	313	317	322	334	346	346	334	308	304	312	311	318	313	306	302	304	304	306	306	307	307	314	1	7 39	352	17 20	301	51
30				307	308	310	312	315	319	324	328	313	293	272	271	285	299	318	324	318	308	308	307	308	308	307	307	307	1	7 18	333	11 14	264	69
31				303	307	307	312	314	322	331	332	323	313	307	301	304	311	313	310	307	301	301	302	305	307	305	306	310	0	7 02	337	12 00	298	39
MEANS ALL DAYS				311	312	313	315	319	322	325	324	318	310	305	306	311	319	325	324	315	309	309	309	309	310	310	310	314						39
MEANS TEN DAYS ✲				310	311	313	315	318	320	322	319	314	309	307	308	313	321	327	324	314	309	308	308	308	309	310	310	314						37
MEANS FIVE DAYS (G. M. T.) †				310	310	312	315	317	318	317	315	309	303	301	303	313	322	327	325	315	308	311 / 308	309 / 308	310	310	310	310	312						
MEANS FIVE DAYS (G. M. T.) ‡				312	314	315	317	323	325	324	324	320	309	307	311	315	325	331	328	316	311	310	310	310	311	310	311	316						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 363

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				307	309	311	314	318	322	329	332	328	322	320	315	313	311	309	300	297	295	308	313	309	309	310	311	313	1	7 04	335	17 15	289	46
2			✓	306	312	313	314	324	324	324	321	317	317	315	316	305	314	316	318	313	309	307	306	308	310	309	305	313	1	6 34	333	12 12	297	36
3				305	309	313	314	315	322	329	324	316	303	295	299	315	314	317	315	309	306	306	305	306	308	309	309	311	0	6 52	332	10 40	293	39
4	✓			310	310	311	312	315	319	322	322	322	316	304	294	299	310	318	319	314	307	304	304	306	307	308	309	311	0	7 29	327	12 00	293	34
5	✓	✓		309	311	312	313	316	320	329	328	319	308	295	289	285	292	300	309	313	304	306	307	307	307	305	305	308	0	7 01	333	12 54	284	49
6				307	309	312	313	317	321	329	333	329	320	308	300	313	321	328	322	311	304	305	305	305	307	307	307	314	0	6 50	336	11 10	295	41
7				305	306	307	311	316	321	329	334	325	319	313	319	320	315	318	320	310	308	309	307	308	308	309	308	314	0	7 02	339	0 25	303	36
8				306	309	310	312	314	316	319	323	323	325	322	314	310	310	310	316	312	305	315	321	321	315	316	306	315	1	10 00	331	17 40	303	28
9			✓	316	310	311	319	323	323	323	325	319	311	306	304	303	306	314	318	310	302	307	309	309	309	309	311	312	1	7 31	329	17 30	301	28
10				309	314	313	321	319	324	329	334	329	324	315	314	319	319	319	310	304	303	303	303	307	308	309	312	315	1	7 21	336	20 05	301	35
11				314	317	313	313	317	321	325	323	315	311	304	308	312	314	320	324	309	298	300	309	313	312	311	311	313	1	7 10	329	17 30	297	32
12				309	309	314	317	319	322	329	335	324	314	315	304	299	299	304	306	304	299	304	304	307	307	308	308	311	1	7 08	343	12 53	295	48
13				309	310	312	312	314	317	320	322	316	306	296	300	303	303	307	309	307	301	305	305	306	307	309	309	309	1	7 05	326	10 36	293	33
14	✓			309	310	310	311	315	314	314	316	309	299	292	290	298	298	299	303	308	304	304	302	308	309	310	311	306	0	7 10	319	11 21	290	29
15	✓	✓		310	310	312	312	316	319	329	334	332	324	319	315	314	314	299	297	294	294	299	304	305	308	308	309	312	0	7 58	337	17 09	289	48
16		✓		309	309	309	310	312	315	315	319	315	306	303	300	299	298	294	293	292	292	298	303	303	305	304	305	304	0	7 55	320	17 02	289	31
17	✓	✓		307	307	309	311	314	317	327	330	329	318	308	301	295	303	314	319	309	298	301	303	305	305	305	305	310	0	7 25	331	12 40	294	37
18	✓			304	305	308	309	313	315	318	320	312	303	300	300	304	306	308	311	305	300	302	303	303	304	304	305	307	0	6 55	322	10 50	298	24
19	✓			304	304	304	304	309	313	314	314	311	304	303	306	313	315	315	313	305	298	300	300	303	306	306	306	307	0	7 04	319	17 40	296	23
20				304	304	303	305	308	310	311	319	311	301	293	295	302	311	322	319	308	300	302	302	302	302	304	303	306	1	14 50	324	10 45	291	33
21				304	304	305	304	306	310	311	312	308	307	307	309	306	303	301	305	308	302	301	299	300	301	302	303	305	1	7 00	315	14 26	298	17
22				303	302	309	310	311	312	316	324	325	322	314	302	300	305	314	313	304	295	297	299	300	301	305	304	308	1	7 30	330	17 40	294	36
23				302	305	305	307	309	309	310	308	305	300	304	(303)	304	309	314	310	300	302	302	304	305	304	304	303	305	0	14 50	318	16 40	299	19
24	✓			304	305	305	307	310	314	322	326	324	315	312	311	310	310	306	306	310	304	300	300	300	301	302	305	309	0	7 29	330	18 00	299	31
25	✓	✓		304	304	306	308	310	313	316	316	312	307	310	315	328	328	323	318	306	300	298	297	299	300	301	303	309	0	12 40	330	19 20	296	34
26			✓	303	305	304	308	310	312	318	317	311	308	323	318	330	340	327	314	297	294	309	305	300	302	302	300	311	1	12 52	349	17 00	290	59
27			✓	301	303	301	301	304	314	316	324	322	312	305	301	310	324	327	317	309	307	304	302	304	302	301	300	309	1	8 30	332	11 03	291	41
28			✓	299	302	302	309	309	314	319	327	328	323	320	318	315	313	316	315	305	301	299	305	303	303	305	304	311	1	8 26	335	18 14	289	46
29				303	302	306	310	310	316	321	331	327	326	326	325	326	327	322	313	309	303	300	300	301	304	305	305	313	0	7 40	334	18 50	299	35
30	✓			305	305	305	308	309	312	315	315	303	294	297	302	315	318	316	309	301	302	304	302	301	301	303	303	306	0	12 45	320	9 48	290	30
31																																		
MEANS ALL DAYS				306	307	308	311	313	317	321	324	319	312	308	306	309	312	313	312	306	301	303	304	305	306	306	306	310						35
MEANS TEN DAYS ✲				307	307	308	310	313	316	321	322	317	309	304	302	306	309	310	310	306	301	302	302	304	305	305	306	308						34
MEANS FIVE DAYS † (G. M. T.)				308	308	310	311	314	317	323	325	321	313	307	304	304	307	306	307	303	298	301 300	303 303	304	306	306	308	309						
MEANS FIVE DAYS ‡ (G. M. T.)				305	306	306	310	314	317	320	323	319	314	314	311	313	319	320	316	307	303	305	308	307	306	306	304	311						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 364

DECLINATION

7 ° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1931 — JULY 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				305	305	306	308	310	313	321	327	327	321	319	324	330	334	330	318	306	302	300	300	302	303	304	304	313	0	13 46	337	19 23	298	39
2				305	305	306	307	315	321	328	335	327	320	310	305	308	315	302	292	297	299	302	304	304	305	305	306	309	1	7 58	340	15 54	291	49
3				305	305	306	308	314	320	329	340	334	330	317	313	309	314	311	305	295	296	299	300	301	304	304	305	311	1	7 40	341	16 55	294	47
4				305	305	306	309	311	315	323	327	325	318	304	296	297	297	304	310	300	291	294	296	300	301	304	304	306	0	8 15	329	17 34	289	40
5	✓			303	303	305	307	309	314	320	324	329	334	331	323	320	321	309	302	296	293	294	296	299	303	303	305	310	0	9 45	336	17 30	292	44
6	✓			305	305	305	307	310	314	320	323	320	315	310	306	306	313	316	304	301	300	300	299	299	301	304	304	308	0	8 04	325	19 30	298	27
7	✓			305	307	308	310	310	310	313	322	320	314	312	312	314	320	322	305	290	290	293	294	299	301	302	303	307	0	7 51	325	17 05	285	40
8	✓			305	306	304	306	310	311	317	323	322	320	315	313	304	306	311	306	297	299	300	300	300	302	302	302	308	0	8 00	325	16 20	297	28
9	✓	✓		304	305	307	310	311	311	311	311	309	304	307	315	324	325	316	310	305	300	299	299	299	301	302	303	308	0	13 10	328	18 10	296	32
10	✓	✓		304	304	305	306	308	311	320	330	333	328	325	325	327	322	304	293	290	295	296	298	299	300	300	299	309	0	8 53	334	16 10	289	45
11				300	298	301	306	311	315	325	331	326	320	311	311	329	314	299	286	285	287	289	292	294	296	302	304	306	1	12 43	334	16 15	283	51
12				306	307	311	312	314	316	317	319	315	304	297	306	320	312	309	306	298	296	296	296	296	301	301	304	307	1	12 44	326	18 06	294	32
13				304	306	306	310	310	314	314	317	311	313	320	324	328	322	318	307	302	302	299	296	300	301	303	304	310	0	12 21	328	19 24	295	33
14				303	301	303	306	303	303	293	304	311	313	319	331	324	321	316	305	298	297	299	299	301	302	302	303	307	1	11 52	336	6 35	289	47
15				302	303	297	294	298	308	316	323	325	322	320	316	321	317	308	296	293	295	299	301	304	304	304	304	307	0	8 12	328	3 26	290	38
16				301	300	296	301	308	311	316	322	320	317	311	315	321	318	307	296	293	295	301	300	300	299	299	300	306	0	7 45	324	16 50	291	33
17				300	301	301	305	306	308	316	316	314	309	301	305	313	312	310	306	306	300	295	296	296	296	296	296	304	0	7 25	320	18 41	294	26
18				296	294	288	296	301	302	308	312	306	301	306	308	307	307	294	286	290	296	297	296	295	297	296	296	299	0	7 25	316	15 30	285	31
19	✓	✓		298	301	301	304	306	306	309	309	304	303	311	312	310	315	318	315	302	299	299	296	296	297	297	297	304	0	15 00	319	20 07	295	24
20	✓	✓		299	300	300	301	303	305	301	301	304	302	306	314	319	311	302	306	303	296	295	293	294	295	295	296	302	0	12 15	320	19 30	292	28
21	✓	✓		296	296	300	302	305	305	308	305	298	297	306	317	321	311	304	299	297	297	296	295	296	297	297	298	302	0	12 00	323	1 03	291	32
22				297	299	299	301	304	309	315	313	306	298	300	307	306	301	296	300	302	296	296	295	296	296	296	295	301	0	6 31	319	17 36	293	26
23			✓	294	298	304	304	306	302	302	301	299	306	317	327	301	301	296	297	301	301	305	303	302	303	301	301	303	1	11 28	331	14 45	293	38
24			✓	301	301	304	302	298	301	310	312	305	296	306	316	320	308	305	305	301	293	294	296	297	299	300	299	303	1	12 18	326	17 50	291	35
25			✓	298	298	302	301	304	304	310	317	310	301	304	316	330	326	318	304	301	298	302	297	299	300	300	298	306	1	12 24	334	1 51	295	39
26			✓	296	296	295	301	306	306	306	311	307	309	310	305	307	315	311	301	297	297	297	297	299	301	301	300	303	1	7 37	316	1 00	294	22
27				300	300	300	301	305	308	314	314	308	309	317	315	318	312	308	306	305	298	295	292	292	292	295	295	304	0	10 25	319	20 45	291	28
28			✓	295	297	301	305	305	311	308	312	300	295	308	307	302	301	293	286	291	294	294	294	296	296	296	298	299	1	5 57	319	9 20	285	34
29				299	297	301	306	311	311	311	310	305	296	294	290	289	291	293	301	305	297	295	294	293	296	297	297	299	1	6 02	313	12 20	286	27
30				296	299	300	300	305	311	318	318	309	301	289	287	290	291	290	295	297	295	295	295	296	296	297	298	299	1	6 52	322	11 04	284	38
31	✓			300	301	301	306	308	312	322	321	309	296	289	298	312	311	305	300	294	293	296	295	295	296	296	296	302	0	7 00	326	10 12	286	40
MEANS ALL DAYS				301	301	302	305	307	310	314	318	314	310	309	312	314	312	307	302	298	296	297	297	298	299	300	300	305						35
MEANS TEN DAYS ✲				302	303	304	306	308	310	314	317	315	311	311	314	316	316	311	304	298	296	297	296	298	299	300	300	306						34
MEANS FIVE DAYS † (G. M. T.)				300	301	303	305	307	308	310	311	310	307	311	317	320	317	309	305	299	297	298 297	297 296	297	298	298	299	305						
MEANS FIVE DAYS ‡ (G. M. T.)				297	298	301	303	304	305	307	311	304	301	309	314	312	310	305	299	298	297	298	297	297	298	298	298	303						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 365

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1931 AUGUST 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				298	301	302	305	308	311	311	312	307	310	310	307	320	318	306	296	296	294	295	295	295	296	297	298	304	1	12 45	325	15 55	292	33
2	✓	✓		298	299	301	303	308	311	316	314	307	302	292	289	296	300	291	291	297	292	293	292	292	291	297	297	299	0	7 10	317	11 10	287	30
3				299	299	302	302	309	314	316	321	321	316	311	(306	304)	300	297	294	291	292	292	293	294	296	294	296	302	1	7 55	323	16 20	290	33
4	✓			300	301	301	304	306	309	314	316	316	312	312	314	314	311	301	295	297	295	294	295	295	296	297	299	304	0	8 15	321	18 08	292	29
5	✓			299	299	299	301	306	311	317	318	316	306	299	300	301	295	287	286	287	291	297	294	293	297	297	298	300	0	7 00	322	15 50	285	37
6				300	302	304	305	306	310	307	314	310	311	308	310	311	301	295	301	306	298	291	287	290	291	294	294	302	0	7 29	316	19 40	287	29
7				293	296	297	296	297	302	306	306	298	291	295	301	305	298	297	297	298	294	294	294	295	300	296	293	297	1	7 51	311	9 58	284	27
8			✓	294	296	293	291	296	297	306	316	319	316	307	304	307	301	295	294	298	297	297	293	295	301	295	296	300	1	8 59	330	3 52	287	43
9			✓	294	291	285	296	303	300	306	311	321	311	308	315	311	314	315	299	291	290	292	295	295	296	296	296	301	1	8 39	326	2 12	279	47
10				295	295	295	298	301	304	307	307	306	306	313	325	330	325	307	295	292	296	297	296	296	297	296	291	303	1	12 56	336	23 40	287	49
11				289	296	300	302	302	306	311	311	306	299	299	305	306	303	290	285	287	295	296	296	297	297	296	296	299	1	7 00	315	15 30	283	32
12	✓	✓		296	296	296	300	301	303	304	304	307	305	305	311	305	298	297	295	296	297	297	301	300	300	300	300	301	0	11 30	317	15 38	293	24
13	✓			297	297	297	298	300	304	312	311	302	301	296	302	302	300	294	295	300	297	296	295	295	295	295	296	299	1	6 46	316	14 00	291	25
14	✓			295	297	297	296	301	305	315	319	317	303	294	297	302	304	305	301	298	296	296	294	295	295	295	295	300	0	7 11	322	11 02	292	30
15				295	295	295	297	302	308	317	316	309	294	281	279	290	301	300	294	292	291	294	296	297	300	299	297	297	0	6 50	321	10 52	275	46
16				296	296	298	302	309	316	324	318	310	303	296	294	292	291	300	296	297	300	298	296	296	297	297	297	301	1	6 35	331	13 48	288	43
17	✓	✓		297	294	294	295	298	302	301	305	309	315	313	306	297	300	318	315	310	301	298	294	295	296	296	296	302	0	14 49	324	1 30	293	31
18		✓		293	291	296	296	301	302	300	296	291	(286	291	291)	297	307	317	313	301	293	295	296	296	296	292	292	297	0	13 40	320	⌈9 —	284	36⌋
19				294	296	297	298	300	301	307	314	312	305	301	297	296	296	297	297	296	297	300	301	297	296	295	292	299	1	7 25	317	24 00	290	27
20			✓	290	282	284	293	295	296	296	306	316	312	317	314	316	321	326	314	302	294	294	292	295	295	295	291	302	1	13 58	330	2 10	274	56
21			✓	287	287	287	297	301	302	303	310	311	301	294	298	301	311	311	308	305	298	297	⌈297⌋	△					1	8 39	316	1 21	286	30
22																													0					
23													△	294	295	295	290	297	301	297	295	296	295	295	296	293	290		0	15 08	306			
24				287	291	295	299	302	307	315	312	305	297	291	287	285	283	293	303	301	295	291	294	294	293	291	287	296	1	6 32	321	13 00	281	40
25			✓	295	301	296	301	312	321	326	321	304	302	295	291	291	295	301	301	297	297	295	292	292	293	295	295	300	1	6 00	331	12 00	286	45
26				295	297	300	305	310	310	315	307	298	281	274	271	276	287	293	294	291	285	291	289	291	291	295	296	293	1	6 27	318	11 59	267	51
27				296	296	301	301	305	309	312	307	300	286	280	282	283	293	297	295	292	290	293	291	295	295	296	295	295	1	6 21	315	10 37	275	40
28				295	296	295	296	302	309	320	321	316	306	297	296	294	293	293	291	288	285	289	291	293	296	296	294	298	0	7 10	326	17 21	284	42
29	✓			294	295	296	300	303	305	303	301	295	289	291	297	313	318	306	306	299	292	292	292	292	293	293	293	298	0	13 09	324	9 50	287	37
30	✓	✓		293	293	296	298	301	307	318	321	318	310	297	291	291	295	298	297	291	285	289	290	291	291	293	295	298	0	7 08	325	17 23	283	42
31	✓			294	296	297	301	303	308	315	313	306	296	286	277	280	281	286	287	286	287	291	292	292	293	293	294	294	0	6 31	316	11 55	276	40
MEANS ALL DAYS a)				295	296	297	299	303	307	311	312	309	303	299	299	301	301	300	297	296	293	294	294	294	295	295	295	299						37 a)
MEANS TEN DAYS ✲				296	297	297	300	303	306	312	312	309	304	298	298	300	300	298	297	296	293	294	294	294	295	296	296	299						32
MEANS FIVE DAYS † (G. M. T.)				295	295	297	298	302	305	308	308	306	304	300	298	297	300	304	302	299	294	296 295 294 295		295	296	296	296	299						
MEANS FIVE DAYS ‡ (G. M. T.)				292	291	289	296	301	303	307	313	314	308	304	304	305	308	310	303	299	295	295	295	295	297	294	292	301						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days August 21, 22 and 23

TABLE 366

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1931 — SEPTEMBER 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			291	292	292	291	298	305	314	321	323	318	312	306	306	309	312	305	297	290	290	291	292	293	292	292	301	0	8 35	325	17 20	287	38
2	✓	✓		293	292	292	295	297	300	302	306	306	307	307	308	308	308	301	297	297	291	292	291	29	291	291	291	298	0	13 06	309	20 00	290	19
3				291	291	292	292	294	298	307	307	314	306	290	292	292	295	297	296	294	287	290	295	296	298	296	294	296	1	8 20	318	10 40	283	35
4			✓	295	284	290	294	292	295	301	304	308	300	297	294	300	301	303	301	294	291	296	296	296	292	291	291	296	1	8 53	316	1 33	279	37
5				294	295	296	298	303	311	321	320	313	306	301	297	297	306	307	301	293	293	296	295	295	296	289	294	301	1	6 40	325	22 06	287	38
6			✓	295	294	290	284	282	298	314	313	304	308	306	306	316	309	298	291	286	290	298	296	295	291	287	287	297	1	13 09	319	4 11	280	39
7				292	294	291	293	301	305	307	316	317	311	306	304	311	307	301	295	295	292	292	293	294	295	294	291	300	1	7 59	325	2 50	286	39
8				288	289	290	291	293	295	298	299	298	294	283	285	295	300	306	308	301	299	301	302	300	298	291	290	296	1	15 05	311	11 11	276	35
9				291	291	288	293	302	302	309	309	306	300	300	311	317	318	314	311	304	300	304	301	294	294	294	291	302	1	12 50	322	2 10	287	35
10				291	294	295	296	300	305	308	301	288	285	289	291	304	305	301	299	296	293	296	296	294	294	294	294	296	1	6 10	311	9 41	282	29
11	✓			291	291	291	291	294	297	301	301	295	295	294	303	324	331	325	311	302	293	294	293	293	294	294	294	300	1	12 51	336	3 50	287	49
12	✓			293	295	296	298	300	303	304	295	280	270	264	276	298	313	313	303	291	290	292	293	292	294	292	293	293	0	14 34	316	10 21	261	55
13	✓			290	290	291	294	296	296	296	293	285	282	273	279	294	301	301	303	298	291	292	292	292	291	290	290	292	0	13 16	305	10 38	270	35
14				290	290	290	291	296	299	299	295	286	281	279	283	308	316	315	311	307	305	306	302	300	296	293	293	297	1	13 27	318	11 10	273	45
15			✓	292	291	288	286	291	285	294	303	311	309	304	309	329	324	310	301	296	295	297	302	301	292	296	296	300	1	12 30	333	4 41	271	62
16			✓	294	292	292	290	287	298	306	313	321	312	306	309	310	(301	296)	290	292	297	303	307	301	302	291	286	300	1	8 10	331	3 46	281	50
17			✓	291	289	285	286	290	293	297	309	311	312	306	309	314	308	298	294	292	293	297	296	296	295	294	293	298	1	9 13	316	0 58	280	36
18	✓	✓		292	293	293	296	298	299	301	309	316	324	325	330	331	326	311	299	293	296	299	295	294	294	293	292	304	0	12 30	334	23 55	291	43
19	✓	✓		290	290	290	291	292	294	295	293	298	301	311	319	323	324	319	311	303	299	297	296	296	291	290	290	300	0	12 58	326	1 20	289	37
20				292	290	290	290	292	294	295	290	282	277	274	283	302	315	313	305	299	294	298	303	301	299	295	295	294	1	13 35	319	9 59	273	46
21				296	292	293	300	301	304	304	302	301	295	290	300	310	315	311	308	301	295	293	291	293	289	290	291	299	1	13 30	316	21 50	285	31
22				291	291	293	296	300	304	308	306	298	290	291	302	306	308	305	303	297	292	291	292	291	291	294	295	297	1	13 08	315	10 16	287	28
23				292	292	293	292	295	296	294	292	296	298	297	302	301	305	303	300	293	288	290	294	289	291	291	288	295	1	13 30	309	20 40	285	24
24				291	294	295	300	297	299	301	304	305	302	293	294	296	295	290	288	291	292	294	295	295	294	294	294	296	1	7 59	310	10 32	286	24
25				292	292	293	293	294	299	303	306	311	310	306	309	320	316	296	278	274	276	286	291	291	290	293	295	296	0	13 00	325	17 20	271	54
26				295	295	291	291	293	299	303	306	311	315	318	315	311	303	295	288	284	287	291	291	290	292	293	296	298	1	10 31	323	16 30	283	40
27	✓			293	293	291	292	291	294	294	293	295	300	310	310	301	295	293	296	296	292	293	291	290	291	292	291	295	0	11 00	312	3 00	288	24
28	✓	✓		291	291	291	291	292	298	306	314	315	312	311	311	301	296	291	290	281	282	290	291	291	291	291	291	296	0	7 56	317	16 55	278	39
29	✓	✓		291	291	291	291	291	293	293	292	290	293	301	313	314	306	303	303	297	293	291	290	290	290	289	288	295	0	11 59	320	8 26	285	35
30				287	287	287	287	291	294	293	297	296	296	302	330	336	331	317	310	302	300	300	293	298	291	290	290	300	1	12 50	340	1 31	285	55
31																																		
MEANS ALL DAYS				292	292	291	292	295	298	302	304	303	300	298	303	309	310	305	300	295	293	295	295	294	293	292	292	298						39
MEANS TEN DAYS ✲				292	292	292	293	295	298	301	302	300	300	301	306	310	311	307	302	296	292	293	292	292	292	291	291	297						37
MEANS FIVE DAYS † (G. M. T.)				291	291	291	293	294	297	299	303	305	307	311	316	315	312	305	300	294	292	294 294	293 293	293	293	292	292	299						
MEANS FIVE DAYS ‡ (G. M. T.)				293	290	289	288	288	294	302	308	311	308	304	305	314	309	301	295	292	293	298	300	299	297	293	293	299						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 367

DECLINATION

OCTOBER 1931

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1931

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				289	286	279	287	291	293	293	290	292	294	298	313	319	322	318	308	296	291	295	296	300	300	292	293	297	1	13 22	325	2 30	274	51
2			✓	292	292	291	291	288	281	278	284	285	289	297	297	303	301	291	292	291	297	297	301	301	292	293	289	292	1	12 54	307	6 15	276	31
3				287	287	287	291	296	296	302	310	316	312	310	316	312	313	306	293	281	282	291	293	294	291	293	291	298	1	11 40	321	16 54	277	44
4				291	290	286	287	286	280	274	275	281	283	291	308	314	317	312	300	301	300	306	307	296	296	295	290	294	1	13 33	328	6 33	273	55
5			✓	286	286	279	276	284	286	291	301	311	318	327	329	324	307	301	293	285	288	292	294	295	296	292	293	297	1	11 19	336	2 58	271	65
6	✓			291	290	289	284	281	280	283	294	306	316	321	329	331	322	310	296	289	289	293	295	291	293	293	293	298	1	12 45	333	5 41	278	55
7	✓			290	288	286	287	286	288	286	284	286	290	300	306	311	306	300	286	280	284	289	291	291	291	290	289	291	0	12 20	314	16 25	279	35
8	✓			287	287	288	290	292	295	291	295	301	306	311	316	311	305	292	281	280	284	290	291	290	290	287	287	294	0	11 35	317	16 20	276	41
9	✓	✓		285	286	286	286	287	286	281	283	284	292	308	318	312	305	296	293	290	288	290	291	291	290	291	290	292	0	11 39	321	6 55	277	44
10	✓	✓		290	290	290	290	290	290	284	282	281	278	276	291	295	296	291	291	286	288	291	291	291	290	290	290	288	0	12 21	300	10 21	274	26
11	✓	✓		287	286	286	286	286	286	281	288	291	291	296	306	316	313	302	296	297	297	294	294	291	289	288	287	293	0	12 31	319	6 30	280	39
12			✓	286	281	281	283	282	285	285	289	287	292	316	336	336	320	309	312	311	315	308	305	301	296	291	276	299	1	11 31	346	23 30	271	75
13				275	279	278	278	283	281	286	298	309	324	335	332	320	308	294	287	288	287	292	296	294	293	291	289	296	1	10 45	342	3 00	271	71
14				287	286	287	287	287	285	286	303	321	327	325	325	309	299	298	299	299	293	293	295	295	294	291	289	298	1	10 00	331	5 50	281	50
15	✓			287	283	277	279	284	287	290	299	302	307	312	319	317	311	309	298	291	291	295	296	296	291	291	288	296	1	12 04	324	3 10	276	48
16	✓	✓		286	285	283	285	286	286	288	292	296	300	307	312	315	316	315	(304	294)	291	295	300	298	295	294	290	296	0	13 57	320	2 40	281	39
17				286	285	282	279	281	285	286	287	287	287	295	297	294	292	294	284	277	288	294	296	298	298	295	294	289	1	11 24	299	16 46	272	27
18				286	287	287	287	292	293	293	290	293	289	296	305	306	304	299	287	284	290	294	296	296	294	289	289	293	1	12 10	311	16 30	282	29
19				291	285	288	286	286	291	291	298	306	311	319	327	321	308	300	297	287	289	292	295	295	295	292	291	298	1	11 28	331	1 17	283	48
20				288	287	285	288	289	287	279	276	281	291	305	319	321	319	309	296	288	285	290	291	291	292	293	291	293	1	12 10	326	7 11	274	52
21				287	286	287	287	294	294	291	289	281	283	293	303	303	305	308	301	288	285	290	290	292	292	286	286	292	1	11 51	314	9 06	276	38
22				285	286	285	287	287	283	272	269	268	278	288	293	295	293	293	289	285	285	291	294	294	295	294	291	287	1	12 21	300	8 15	264	36
23				289	288	287	285	286	283	279	281	290	293	297	303	301	294	298	291	280	283	289	293	293	292	291	284	290	1	12 06	305	7 09	276	29
24	✓			284	284	285	284	288	286	284	289	293	299	304	308	305	298	295	291	285	285	290	289	290	291	291	288	291	0	11 36	311	3 00	280	31
25	✓	✓		288	287	286	286	286	282	279	297	299	311	317	319	312	307	311	306	297	291	291	290	290	289	289	288	296	0	11 19	323	6 28	275	48
26				288	288	287	286	286	287	284	287	292	296	304	307	309	306	301	283	279	284	293	295	296	294	292	289	292	1	12 53	315	16 24	276	39
27				286	282	280	279	280	278	268	270	281	287	300	303	311	311	301	294	286	288	292	294	294	292	290	286	289	1	13 02	320	7 10	265	55
28				283	281	281	281	280	278	274	280	287	296	307	306	319	323	323	307	293	293	297	296	295	291	288	283	293	1	13 52	331	6 15	271	60
29			✓	281	278	266	262	251	241	247	251	291	313	338	328	320	315	320	307	289	291	306	308	310	310	306	300	293	2	10 38	356	5 27	236	120
30			✓	289	280	270	281	271	270	278	301	302	307	321	328	326	326	321	302	296	296	300	303	300	298	296	291	298	2	11 53	337	5 00	262	75
31				281	279	271	275	285	291	289	297	301	309	310	311	307	301	295	290	280	284	292	295	295	293	291	290	292	1	11 48	315	2 51	266	49
MEANS ALL DAYS				287	285	283	284	285	284	283	288	294	299	307	313	313	308	304	295	289	290	294	296	295	294	292	289	294						49
MEANS TEN DAYS ✻				288	287	286	286	287	287	285	290	294	299	305	312	312	308	302	294	289	289	292	293	292	291	290	289	294						41
MEANS FIVE DAYS † (G. M. T.)				287	287	286	287	287	286	283	288	290	294	301	309	310	307	303	298	293	291	291 292 292	292 293 293	292	290	290	289	293						
MEANS FIVE DAYS ‡ (G. M. T.)				287	283	277	279	275	273	276	285	295	304	320	324	322	314	308	301	294	297	301	300	298	297	294	291	296						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 368

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1931 — NOVEMBER 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			297	296	284	281	283	284	284	289	297	309	321	331	323	316	307	296	290	293	294	294	294	291	288	286	297	0	11 44	338	4 00	280	58
2				281	276	276	278	279	278	269	271	277	286	297	316	321	315	310	302	299	298	295	291	292	290	285	284	290	1	12 20	323	6 50	267	56
3				280	275	278	277	275	281	284	287	291	298	300	308	310	307	306	305	301	301	302	304	296	293	290	286	293	1	12 57	312	1 30	273	39
4				281	267	274	281	281	280	280	284	292	304	312	321	318	307	297	291	286	287	295	296	294	290	287	282	291	1	12 01	328	1 53	256	72
5			✓	284	281	276	268	271	274	274	287	306	323	327	329	314	294	284	277	280	288	296	297	297	291	289	284	291	1	11 32	340	3 50	264	76
6			✓	276	275	276	279	276	271	273	282	294	308	313	316	311	301	289	283	286	287	296	296	296	295	295	288	290	1	11 55	321	6 00	266	55
7				283	277	276	274	276	271	268	282	295	311	315	314	308	301	291	284	286	291	296	297	295	293	290	286	290	1	10 03	321	6 40	265	56
8			✓	276	271	268	273	271	260	266	271	271	285	285	288	293	295	292	291	287	286	296	300	297	301	288	283	283	1	19 40	305	5 25	254	51
9				281	281	280	281	282	277	271	277	285	296	300	305	305	301	295	287	287	295	296	301	296	294	291	286	290	1	11 25	310	6 38	270	40
10				273	274	276	280	281	280	278	284	297	312	312	310	308	301	303	296	287	288	293	294	292	291	289	286	291	1	10 27	317	0 30	266	51
11	✓			282	277	282	283	282	282	281	288	295	303	307	310	300	287	285	280	282	288	291	292	292	291	288	286	289	0	11 35	312	1 33	276	36
12	✓	✓		284	281	281	281	283	282	281	285	292	297	303	302	297	297	295	289	285	288	295	297	296	292	287	282	290	0	10 53	306	6 10	279	27
13				278	276	274	273	269	269	276	283	296	302	307	311	307	305	297	292	286	285	287	292	291	292	291	290	289	1	11 49	313	4 45	266	47
14				286	277	278	279	283	280	271	270	275	283	284	289	287	286	287	281	276	281	288	287	288	291	289	289	283	1	11 16	295	6 45	266	29
15				284	282	279	285	283	280	276	276	281	284	294	298	298	292	292	287	282	285	289	296	295	293	296	290	287	1	11 06	306	7 43	272	34
16			✓	282	281	284	282	284	283	278	281	283	297	296	309	312	302	(299	297)	298	295	297	297	293	292	292	290	292	1	12 35	318	6 38	276	42
17				291	287	282	286	287	284	273	274	277	288	286	294	293	292	284	287	285	290	296	294	294	296	294	292	288	1	11 48	302	6 45	271	31
18				285	284	285	287	287	286	275	272	280	296	308	300	296	297	292	284	281	286	292	293	293	295	290	287	289	1	10 22	313	7 30	271	42
19				286	285	285	285	286	275	268	280	297	312	313	316	312	304	292	290	279	279	287	294	292	292	291	292	291	1	11 46	323	6 24	264	59
20				287	284	285	284	282	272	265	272	286	303	316	323	316	308	298	292	289	287	291	292	291	288	291	287	291	1	11 33	328	6 25	262	66
21	✓	✓		288	287	284	283	283	276	271	280	288	296	303	309	303	288	281	272	273	278	287	292	293	291	290	288	287	0	11 10	311	6 10	269	42
22	✓	✓		285	(284	283)	283	283	282	280	286	293	298	307	311	303	298	301	298	294	290	293	294	293	293	291	288	292	0	11 12	313	5 50	278	35
23	✓			284	283	281	282	281	275	271	273	283	289	287	293	297	297	286	274	274	280	288	293	292	292	291	288	285	0	12 10	303	6 50	269	34
24	✓			284	282	279	279	280	273	267	274	284	292	302	315	313	302	301	292	283	283	290	294	294	292	288	283	289	0	12 00	319	6 14	264	55
25				278	278	275	273	275	274	268	273	286	299	319	327	313	297	294	291	287	285	292	296	297	296	294	288	290	1	11 28	329	6 31	264	65
26			✓	280	279	278	276	273	268	261	268	274	292	288	299	314	313	305	303	294	292	294	302	302	303	300	293	290	1	12 40	322	6 16	255	67
27				283	279	Δ						Δ	302	307	309	309	301	295	293	290	287	288	293	293	292	288	285		1	11 47	315			
28	✓	✓		281	278	279	279	283	275	268	281	295	299	307	312	315	308	299	289	281	282	289	295	296	292	287	284	290	1	12 14	318	6 20	267	51
29	✓			279	278	279	281	284	277	268	268	283	298	304	304	303	296	293	288	288	293	296	294	297	296	292	288	289	0	10 56	306	6 53	265	41
30	✓	✓		283	275	278	279	279	277	277	287	301	306	310	313	310	303	295	289	287	286	288	290	289	288	286	282	290	0	11 53	314	1 31	272	42
31																																		
MEANS ALL DAYS a)				283	280	279	280	280	277	273	279	288	299	304	309	307	300	295	289	286	288	293	295	294	293	290	287	289						a) 48
MEANS TEN DAYS ✲				285	282	281	281	282	278	275	281	291	299	305	310	306	299	294	287	284	286	291	294	294	292	289	286	290						42
MEANS FIVE DAYS † (G. M. T.)				284	281	281	281	282	278	275	284	294	299	306	309	306	299	294	288	284	285	291 290	293 294	293	292	290	287	290						
MEANS FIVE DAYS ‡ (G. M. T.)				280	277	277	276	275	271	270	278	286	301	302	308	309	301	294	290	289	290	296	296	296	293	291	286	289						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-nine days only, omitting incomplete day November 27

TABLE 369

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1931

DECEMBER 1931

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				280	277	273	275	284	281	272	280	291	298	302	304	311	305	312	309	302	298	300	296	296	290	289	286	292	1	12	14	315	2 10	271	44
2			✓	283	282	276	269	275	281	269	273	285	295	308	314	320	318	315	314	304	305	306	306	304	299	297	288	295	1	14	13	325	3 52	263	62
3			✓	276	276	275	272	269	276	278	283	293	299	309	312	322	313	301	298	299	298	295	299	298	297	288	281	292	1	12	50	330	3 51	263	67
4			✓	273	274	271	269	280	279	270	278	284	289	297	303	315	313	304	307	304	302	300	294	293	294	292	289	291	1	12	34	321	3 20	263	58
5			✓	278	279	277	276	276	276	280	287	289	292	291	290	288	286	284	280	286	289	290	294	296	294	285	282	285	1	10	38	299	6 04	273	26
6				283	282	283	282	279	275	269	275	290	303	305	304	294	289	296	289	279	282	289	289	289	289	286	283	287	1	9	40	309	6 38	268	41
7	✓			279	279	277	279	283	277	274	280	293	299	313	318	312	294	286	284	279	283	289	290	289	286	285	284	288	1	12	02	321	6 00	271	50
8	✓			282	279	279	279	280	275	272	280	289	293	305	314	318	314	307	294	280	279	286	290	289	288	287	284	289	0	12	40	322	6 20	270	52
9	✓			280	277	275	274	274	271	267	278	294	305	309	303	295	294	290	280	272	280	293	300	299	298	289	285	287	0	10	40	310	6 10	263	47
10				278	274	270	271	274	268	268	279	296	305	307	312	311	304	297	289	280	280	285	294	293	294	293	290	288	1	12	10	314	6 14	264	50
11			✓	289	285	284	284	283	279	273	282	296	305	309	308	295	291	287	280	281	286	295	298	299	295	290	288	290	1	11	08	318	14 51	269	49
12				287	286	280	281	285	285	280	291	303	309	313	313	303	295	290	284	285	285	290	296	295	296	292	290	292	1	11	16	318	2 40	277	41
13				288	285	285	284	285	284	283	297	313	311	310	308	300	299	295	290	285	286	295	297	294	294	290	287	294	1	8	30	319	6 08	279	40
14				287	285	284	281	283	282	275	282	291	300	305	313	310	303	301	295	293	294	294	296	295	294	290	289	293	1	11	04	319	6 20	274	45
15				284	280	280	281	285	285	283	290	297	294	298	301	305	300	291	290	285	284	291	294	294	292	290	285	290	1	12	38	312	1 25	278	34
16				284	282	279	280	(281 | 280)	273	277	290	301	318	317	319	318	310	299	290	292	291	295	296	290	292	291	294	1	10	30	325	6 20	271	54
17				289	281	278	278	280	277	275	281	290	297	300	305	310	316	304	291	293	294	292	292	292	290	289	289	291	1	13	32	321	6 30	272	49
18	✓			286	284	283	281	280	276	268	275	280	283	289	292	288	285	283	281	281	281	286	290	290	290	288	287	284	1	11	19	294	6 30	267	27
19	✓	✓		286	285	282	280	280	277	272	286	302	308	319	325	313	295	279	274	273	276	285	290	289	287	286	285	289	0	10	57	328	6 10	270	58
20	✓	✓		284	281	280	280	279	273	268	283	294	300	307	313	315	298	285	275	272	279	286	290	290	287	285	284	287	0	12	07	320	6 20	266	54
21	✓	✓		282	281	281	281	280	277	271	279	283	280	282	292	301	298	289	274	272	276	286	290	290	289	286	283	283	0	12	42	305	6 30	270	35
22	✓			280	280	278	278	277	275	270	278	287	294	296	297	291	290	298	294	291	292	293	292	291	291	288	286	287	1	11	02	302	6 18	266	36
23				284	281	279	279	278	277	273	284	295	302	301	301	296	291	291	291	284	(289)	291	296	294	295	294	290	289	1	9	35	309	6 20	272	37
24				286	281	279	279	279	276	270	279	291	300	309	309	305	301	296	288	285	284	286	290	291	296	293	289	289	0	11	00	312	6 30	269	43
25				288	282	279	277	275	274	270	288	307	316	316	327	331	316	305	290	290	289	292	294	292	289	286	283	294	1	12	04	337	6 02	264	73
26	✓	✓		280	279	277	276	276	273	261	274	288	301	312	314	306	292	285	281	278	278	286	288	288	287	287	286	286	0	11	30	316	6 23	260	56
27	✓	✓		283	281	280	278	277	275	273	280	294	308	321	333	331	316	306	296	284	282	284	289	289	286	284	282	292	0	11	58	336	6 12	270	66
28				279	278	274	273	276	275	269	279	294	301	312	323	320	297	284	278	283	288	296	296	295	293	294	286	289	1	11	51	330	6 38	267	63
29				279	272	275	276	270	256	261	282	291	320	333	342	329	318	307	299	292	290	294	296	295	290	288	283	293	1	11	47	350	5 54	255	95
30				279	272	273	274	271	271	261	275	292	312	318	334	342	334	318	297	291	290	292	296	293	291	291	289	294	1	12	19	345	6 31	259	86
31				281	272	265	267	268	271	264	270	287	298	314	326	330	320	314	302	285	285	290	292	294	289	289	286	290	1	12	17	340	6 34	260	80
MEANS ALL DAYS				282	280	278	277	278	276	271	281	293	301	307	312	311	303	297	290	286	287	291	294	293	292	289	286	290							52
MEANS TEN DAYS ✱				282	281	279	279	279	275	270	279	290	297	305	310	307	298	291	283	278	281	287	291	290	289	286	285	287							48
MEANS FIVE DAYS (G. M. T.) †				283	281	280	279	278	275	269	280	292	299	308	315	313	300	289	280	276	278	287 285	290 289	290	288	286	285	288							
MEANS FIVE DAYS (G. M. T.) ‡				280	279	277	274	277	278	274	281	289	296	303	305	308	304	298	296	295	296	297	298	297	295	292	287	291							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 370

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1931

JANUARY 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				616	614	614	611	612	618	622	627	654	686	714	682	680	656	639	612	607	581	591	602	599	604	614	611	628	0	10	53	742	17	37	573	169
2	✓			606	614	613	612	613	617	631	647	666	678	694	694	683	663	647	634	617	615	612	610	609	608	609	609	633	0	11	09	699	0	52	604	95
3	✓	✓		611	613	611	610	609	609	611	621	650	685	717	716	689	651	623	602	596	600	604	607	611	614	615	613	629	0	11	10	725	16	42	594	131
4	✓			611	613	614	618	616	617	625	640	670	706	719	721	697	640	591	571	579	599	610	614	613	616	615	614	630	0	11	31	729	15	39	566	163
5	✓			614	612	609	611	610	611	626	643	676	708	721	722	697	659	632	614	610	604	609	610	609	617	625	629	637	0	10	58	728	17	21	602	126
6	✓			628	623	622	623	620	622	635	660	696	730	752	752	726	686	646	618	604	604	613	615	615	615	614	613	647	0	10	58	757	17	00	599	158
7	✓	✓		613	619	621	620	620	624	639	665	705	748	771	759	717	655	608	589	586	600	617	619	620	621	621	623	645	0	10	32	776	16	09	581	195
8		✓		624	620	618	618	620	630	640	665	704	744	758	739	707	669	633	601	592	609	632	628	619	611	609	601	645	0	10	32	761	16	13	589	172
9				616	626	621	615	620	616	629	668	670	732	735	723	695	668	634	599	583	581	550	572	597	601	609	612	632	1	10	21	757	18	42	542	215
10			✓	612	611	603	602	599	598	614	645	686	726	746	730	707	653	599	570	574	589	602	604	599	605	604	604	628	1	10	48	766	15	35	561	205
11				604	602	599	598	601	607	617	649	698	738	737	697	633	573	555	553	560	581	597	601	601	601	601	605	617	0	10	04	755	15	29	541	214
12	✓			608	610	606	609	612	618	632	665	715	752	756	727	675	638	616	606	610	611	605	610	610	608	609	610	638	0	9	51	767	18	31	603	164
13	✓			611	608	612	617	616	614	623	642	682	711	721	709	679	658	641	625	609	608	612	612	612	612	612	613	636	0	10	05	727	16	55	605	122
14				614	613	611	609	608	618	634	650	681	696	688	656	615	599	595	618	629	624	611	604	608	599	606	608	625	0	9	56	703	14	10	574	129
15				611	609	603	614	621	633	652	675	694	710	689	668	642	638	(656)	656	648	633	625	618	601	604	609	602	638	1	9	30	723	20	54	593	130
16			✓	607	611	621	618	608	620	634	658	701	758	743	672	633	545	515	568	587	597	586	585	592	588	594	593	618	1	9	18	835	14	04	489	346
17			✓	589	598	596	604	604	605	623	637	677	692	717	697	692	638	629	621	618	605	600	597	596	593	596	598	626	1	11	00	732	0	42	586	146
18			✓	597	601	593	606	611	604	611	649	706	738	715	669	601	564	575	604	607	597	593	593	593	594	595	597	617	1	10	06	758	14	02	541	217
19				597	593	590	595	597	599	615	633	677	712	719	698	643	571	572	583	609	612	600	599	602	604	604	605	618	1	10	12	727	14	08	553	174
20				604	605	607	606	605	611	626	649	687	732	730	690	614	560	560	577	594	594	600	605	605	609	603	612	620	1	10	18	761	13	34	544	217
21				607	611	611	608	609	610	618	640	673	714	737	736	710	667	625	610	601	600	605	604	602	602	608	609	634	0	11	01	762	16	33	598	164
22				606	604	604	603	606	612	623	640	664	690	719	732	719	690	664	650	638	624	612	607	604	602	604	606	638	0	11	55	737	3	58	600	137
23	✓			613	613	610	607	602	602	602	620	671	734	759	776	753	722	679	642	613	601	605	608	609	610	609	615	645	0	11	18	782	17	43	597	185
24	✓	✓		617	611	612	619	620	620	623	641	680	711	734	743	747	723	676	621	603	616	622	624	624	620	620	615	648	0	12	07	756	16	38	601	155
25			✓	618	621	620	622	622	624	628	640	671	703	738	777	766	742	700	632	572	530	528	538	571	569	572	572	632	1	13	20	790	17	30	520	270
26				569	575	581	577	590	598	601	611	637	659	677	679	669	631	617	615	614	605	600	600	599	595	594	601	612	1	11	00	699	0	20	563	136
27				601	601	604	604	606	608	601	602	633	666	690	716	709	704	671	650	618	578	576	589	578	572	579	587	623	0	11	21	730	20	49	569	161
28				593	593	594	596	598	601	596	595	617	644	660	675	688	671	669	640	612	595	597	599	598	600	598	600	618	0	12	40	701	7	09	585	116
29				604	607	610	611	613	610	591	588	591	604	629	643	666	675	670	659	631	612	600	602	604	605	603	602	618	1	13	59	681	7	22	580	101
30		✓		603	602	600	599	601	604	609	609	605	607	615	643	654	664	662	653	634	620	617	617	615	613	608	604	619	1	13	53	672	2	59	597	75
31				604	604	604	606	607	607	608	610	632	651	662	664	658	660	637	641	633	623	611	607	611	609	607	609	624	1	11	26	669	19	20	601	68
MEANS ALL DAYS				607	608	608	609	610	612	621	638	670	702	715	707	683	649	627	614	606	602	601	603	604	604	605	606	630								163
MEANS TEN DAYS ✲				613	614	613	615	614	615	625	644	681	716	734	732	706	670	636	612	603	606	611	613	613	614	615	615	639								149
MEANS FIVE DAYS † (G. M. T.)				614	613	612	613	614	617	624	640	669	699	719	720	703	672	640	613	602	609	609 618	611 619	611	612	611	612	636								
MEANS FIVE DAYS ‡ (G. M. T.)				605	608	607	610	609	610	622	646	688	723	732	709	680	628	604	599	592	584	582	599	602	601	606	604	627								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 371

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1931

FEBRUARY 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				612	610	614	611	611	617	626	634	649	666	669	662	654	649	652	632	601	576	581	561	566	575	582	592	617	1	10	37 674	19	33 553	121
2				587	588	592	594	596	602	602	603	622	655	665	664	647	633	625	622	619	615	614	615	604	598	603	606	615	1	10	49 677	0	35 584	93
3				584	589	596	600	602	607	614	631	657	681	677	666	637	624	607	597	604	610	608	607	608	608	606	607	618	0	9	38 688	1	09 580	108
4				608	601	593	591	594	600	606	628	679	721	746	736	691	640	600	579	571	595	605	608	600	590	597	601	624	0	11	36 755	16	19 564	191
5	✓			603	608	609	610	610	610	619	641	677	705	718	707	679	650	626	599	592	599	605	605	606	605	603	601	629	0	10	09 720	16	40 589	131
6	✓	✓		606	604	607	613	614	611	613	619	646	686	718	737	725	696	664	632	608	608	611	613	612	612	610	606	636	0	11	31 742	1	02 602	140
7				605	604	609	613	610	618	620	622	649	693	717	729	722	705	666	637	616	590	597	593	589	587	593	597	633	0	11	32 733	17	53 583	150
8	✓			600	603	606	611	618	620	617	618	654	696	732	755	750	728	692	665	629	606	603	603	610	608	611	611	644	0	11	52 766	0	01 597	169
9	✓			613	612	609	608	612	613	612	617	646	683	723	729	724	709	686	665	635	618	608	607	601	602	599	603	639	0	11	47 742	22	35 597	145
10	✓	✓		605	606	603	605	610	619	618	609	632	664	678	685	683	665	647	636	624	623	620	617	610	609	609	609	629	0	11	16 692	0	18 603	89
11	✓			609	608	607	610	615	621	629	640	666	694	695	700	693	666	638	627	619	609	602	605	608	610	610	611	633	0	12	03 711	18	15 602	109
12		✓		610	611	611	612	614	617	625	644	671	691	691	675	655	630	633	645	639	627	618	611	609	605	604	589	631	0	9	44 698	23	32 586	112
13			✓	590	590	593	602	639	666	687	701	660	673	658	653	593	575	579	628	595	597	591	597	592	569	595	598	618	2	10	28 751	12	20 532	219
14			✓	597	590	593	597	593	587	602	624	626	638	653	634	644	615	614	618	598	584	597	593	593	594	593	594	607	1	10	39 693	17	45 564	129
15			✓	601	593	594	598	601	604	592	621	658	688	682	657	650	606	594	605	605	600	594	604	596	597	593	591	614	1	10	29 708	14	12 568	140
16				595	591	590	594	599	605	612	638	672	685	691	677	653	623	597	596	602	606	606	603	602	602	602	601	618	0	11	00 703	14	44 587	116
17				606	608	603	601	603	608	617	633	664	(685	706)	716	669	657	647	634	618	609	606	611	610	608	604	602	630	1	11	32 757	3	56 599	158
18				604	604	604	604	603	608	616	633	661	699	720	732	700	672	643	620	609	609	611	612	616	616	613	611	634	0	11	33 740	0	01 600	140
19	✓			612	614	612	611	612	615	615	623	650	689	710	713	684	642	626	615	606	605	606	603	600	598	601	606	628	0	11	01 723	21	33 596	127
20	✓	✓		605	607	610	611	610	609	609	636	686	735	772	779	762	731	694	649	616	600	605	611	613	613	614	614	650	0	11	25 782	17	39 597	185
21	✓	✓		611	610	611	607	607	618	607	614	650	687	713	714	693	663	644	625	612	606	608	609	608	609	610	611	631	0	10	52 721	4	07 603	118
22	✓			611	612	612	613	613	614	616	634	668	698	736	759	753	719	678	651	628	612	608	613	612	609	608	607	645	0	12	12 770	23	59 605	165
23				609	610	612	612	612	612	620	639	657	685	699	704	697	675	641	622	620	607	608	604	585	590	589	602	630	0	9	55 719	20	24 582	137
24			✓	583	580	583	592	604	601	576	592	617	600	646	582	601	524	497	499	532	538	547	565	570	565	574	573	573	1	10	38 681	14	01 472	209
25			✓	575	576	577	582	584	587	576	578	605	616	647	645	642	631	660	648	618	600	542	537	549	558	566	576	595	1	14	56 687	18	43 525	162
26				579	575	576	584	589	592	584	581	612	642	619	629	630	622	621	631	608	593	584	580	577	582	583	586	598	1	9	28 660	2	04 569	91
27				590	589	586	602	597	600	597	612	633	649	658	665	669	662	623	629	614	601	595	597	598	602	603	597	615	1	12	13 681	2	28 584	97
28				596	595	596	594	595	599	600	616	647	674	682	669	636	609	600	605	617	615	608	603	601	596	595	595	614	0	10	40 697	4	11 592	105
29																																		
30																																		
31																																		
MEANS ALL DAYS				600	600	600	603	606	610	612	624	650	678	694	692	676	651	632	622	609	602	600	600	598	597	599	600	623						138
MEANS TEN DAYS ✲				608	608	609	610	612	615	616	625	658	694	720	728	715	687	660	636	617	609	608	609	608	608	608	608	636						138
MEANS FIVE DAYS † (G. M. T.)				607	608	608	610	611	615	614	624	657	693	714	718	704	677	656	637	620	613	605 612	606 612	606	606	605	607	635						
MEANS FIVE DAYS ‡ (G. M. T.)				589	586	588	594	604	609	607	623	633	643	657	634	626	590	589	600	590	584	574	594	590	585	591	591	603						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 372

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1931 — MARCH 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				599	601	599	601	606	607	604	619	639	664	674	671	661	656	639	622	616	615	616	615	614	611	611	604	624	0	10 43	679	0 00	596	83
2				605	608	615	617	617	617	615	634	672	699	701	686	665	633	628	609	612	600	606	608	610	608	597	594	627	1	9 57	725	24 00	565	160
3				577	588	590	609	606	603	604	627	681	704	712	714	682	656	634	625	613	601	598	596	597	599	602	600	626	1	10 47	740	0 00	565	175
4	✓			598	598	602	603	604	609	610	622	652	678	691	680	667	645	629	624	618	610	603	607	607	607	603	600	624	0	11 02	708	0 05	596	112
5	✓			604	610	609	611	614	615	612	624	664	706	731	737	719	691	660	635	623	615	612	607	607	607	610	608	639	0	11 18	757	0 02	600	157
6	✓	✓		607	608	618	616	619	614	600	602	653	709	754	762	744	701	642	599	585	596	608	607	606	608	608	606	636	0	11 00	767	16 21	583	184
7				609	608	606	609	618	616	604	607	639	699	732	755	750	736	694	661	633	619	616	610	604	604	605	607	643	0	11 31	767	7 12	595	172
8				608	614	617	619	621	619	610	619	659	706	747	783	785	732	701	640	611	604	597	595	602	596	595	600	645	1	11 26	799	19 00	588	211
9				600	606	605	609	609	610	596	579	584	619	648	690	708	698	690	662	635	609	604	603	603	601	603	604	624	1	12 08	714	8 32	563	151
10				603	603	601	605	611	616	607	609	637	673	729	699	707	727	713	694	655	626	614	607	604	604	603	603	640	1	11 04	816	22 46	598	218
11	✓	✓		601	604	605	605	611	613	606	603	628	661	684	687	674	662	642	635	637	634	617	610	615	616	613	610	628	0	11 21	701	1 47	599	102
12			✓	616	617	613	613	621	627	629	643	680	728	739	751	745	695	680	622	586	583	575	593	608	598	598	590	640	1	12 49	779	18 32	569	210
13			✓	593	593	595	595	599	604	596	583	629	663	698	684	685	695	634	615	589	582	570	565	564	574	591	593	612	1	10 58	730	19 57	561	169
14			✓	589	590	602	599	604	608	600	608	645	677	710	714	693	667	653	637	626	609	603	602	598	590	599	601	626	1	11 16	739	1 11	585	154
15	✓			597	601	603	606	604	602	609	636	687	727	748	736	711	682	653	637	626	619	613	605	606	602	604	607	638	0	11 04	763	0 14	594	169
16	✓			602	597	607	608	607	608	617	641	680	721	742	742	715	684	(656)	636	627	622	614	610	607	601	606	608	640	0	11 13	748	1 40	595	153
17				606	604	604	605	608	610	610	633	679	716	736	731	713	689	652	638	627	617	610	609	608	608	607	606	639	0	11 00	747	2 40	602	145
18	✓	✓		606	606	606	606	606	607	609	630	678	722	749	744	719	686	656	634	623	617	615	613	610	608	607	607	640	0	10 49	755	4 37	604	151
19	✓	✓		607	607	609	612	615	616	623	649	693	739	757	754	728	694	651	630	617	617	615	611	610	612	612	612	645	0	10 30	765	1 18	605	160
20				612	610	611	611	613	617	614	627	665	716	747	773	770	739	707	676	638	616	599	579	582	588	578	581	645	1	11 29	814	19 37	574	240
21			✓	590	597	599	606	607	608	603	601	627	673	695	736	735	697	658	612	566	574	570	572	570	584	574	579	618	1	12 27	751	16 22	561	190
22				597	595	594	595	599	602	602	613	647	688	721	734	724	693	655	625	596	571	567	560	565	580	582	592	621	0	11 35	739	20 05	555	184
23				585	587	590	593	594	597	595	612	647	686	703	717	682	657	634	602	591	589	591	589	583	583	578	581	615	0	11 47	726	22 10	575	151
24				580	581	587	588	591	592	592	608	644	686	701	710	691	661	631	616	608	605	599	593	592	589	587	580	617	0	11 58	714	23 53	575	139
25				577	579	581	603	593	596	594	611	642	682	716	728	728	685	650	607	584	597	600	573	564	573	587	589	618	0	12 43	735	20 46	562	173
26			✓	593	592	601	605	612	612	604	611	627	639	669	673	672	666	640	625	616	610	599	598	607	602	596	607	620	1	11 10	686	1 21	588	98
27				604	597	602	606	610	609	611	619	654	692	712	714	700	659	614	595	594	597	597	598	601	598	592	605	624	0	10 19	723	22 11	587	136
28				595	595	605	604	602	603	602	621	649	674	691	683	653	644	639	633	622	615	604	600	597	600	598	590	622	0	10 43	698	23 14	588	110
29				584	585	590	595	597	601	599	624	667	694	707	672	648	631	623	617	611	613	607	606	607	606	605	604	621	0	10 36	718	0 35	582	136
30	✓	✓		602	599	606	606	608	610	613	630	657	685	694	687	674	657	638	624	619	618	616	613	613	613	611	609	629	0	10 22	696	1 50	598	98
31	✓			608	605	605	606	614	620	630	651	674	709	731	724	708	684	666	641	623	615	615	613	611	611	611	611	641	0	11 00	742	2 00	603	139
MEANS ALL DAYS				599	600	602	605	608	609	607	619	654	691	715	718	705	681	654	630	614	607	602	599	599	599	599	600	630						156
MEANS TEN DAYS ✲				603	604	607	608	610	611	613	629	667	706	728	725	706	679	649	630	620	616	613	610	609	608	608	608	636						142
MEANS FIVE DAYS (G. M. T.) †				605	605	609	609	612	612	610	623	662	703	728	727	708	680	646	624	616	616	612 614	608 611	607	607	606	606	635						
MEANS FIVE DAYS (G. M. T.) ‡				596	598	602	604	609	612	606	609	642	676	702	712	706	684	653	622	597	592	583	584	587	590	593	593	623						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 373

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1931 — APRIL 1931

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	610	611	613	616	620	622	623	646	687	728	750	725	687	645	594	594	606	613	595	578	580	598	604	603	631	0	10	18 759	14	48 570	189
2				599	600	602	603	604	608	610	628	675	719	739	742	712	672	643	625	626	630	631	627	621	620	616	613	640	0	11	20 754	0	48 598	156
3			✓	608	605	615	612	614	615	626	660	701	758	765	746	696	655	607	581	583	592	595	592	592	593	594	595	633	1	10	17 786	15	52 570	216
4				599	599	603	602	605	606	602	616	652	691	720	737	711	663	614	598	583	581	586	589	587	585	588	596	621	0	11	37 744	17	04 578	166
5	✓			603	603	603	604	611	613	607	614	661	714	752	759	740	711	667	628	613	613	614	612	612	611	608	604	641	0	11	14 764	0	15 600	164
6	✓	✓		603	601	601	608	607	606	594	598	637	694	734	754	745	708	674	645	622	614	613	611	611	611	609	610	638	0	12	14 759	6	52 585	174
7	✓			611	613	614	616	618	618	607	597	627	660	690	718	717	700	669	636	618	616	616	617	616	615	614	612	635	0	11	38 721	7	38 593	128
8				612	611	613	615	618	619	613	608	638	685	718	732	740	723	690	659	638	623	607	598	599	598	607	604	640	0	12	10 744	21	39 595	149
9				608	611	613	620	625	631	621	633	654	683	701	688	699	689	680	659	645	640	640	625	608	606	616	575	640	1	10	13 733	23	44 561	172
10			✓	598	603	596	605	612	616	617	636	639	666	696	701	706	682	652	616	611	601	606	607	607	606	605	604	629	1	12	54 722	0	00 579	143
11				601	600	608	615	612	610	613	627	659	675	684	688	683	662	631	622	612	608	607	604	603	602	601	599	626	1	10	55 702	1	40 596	106
12	✓	✓		599	599	600	603	604	601	596	611	644	687	721	728	717	685	645	621	617	615	610	607	606	605	604	603	630	0	11	05 728	6	16 594	134
13	✓	✓		602	604	604	607	608	607	603	614	642	679	700	693	684	661	639	627	628	623	619	617	615	615	613	612	630	0	10	12 707	0	19 601	106
14	✓	✓		612	611	611	613	615	620	623	640	675	726	762	758	735	700	662	642	630	620	613	608	611	615	614	613	647	0	10	55 777	19	39 606	171
15				610	616	618	619	618	618	624	647	673	707	709	715	699	671	638	626	623	620	615	611	608	603	603	601	637	1	11	22 745	23	01 599	146
16				606	612	614	613	615	618	(621)	640	667	704	732	742	728	707	679	659	651	645	629	625	615	608	604	603	647	0	11	34 746	23	20 601	145
17				606	607	609	614	615	618	620	635	671	700	734	731	700	676	662	645	635	629	626	614	603	592	565	571	637	0	11	05 745	22	49 550	195
18				591	611	609	612	608	605	609	628	656	676	683	698	688	658	638	621	620	615	610	605	606	603	598	601	627	1	11	40 708	0	00 579	129
19			✓	605	608	607	609	612	614	623	641	683	753	772	747	711	637	625	570	557	557	556	558	548	551	587	569	621	1	10	20 796	20	59 545	251
20			✓	572	585	600	591	588	604	584	585	616	661	678	685	671	652	630	617	612	607	602	602	600	599	599	597	614	1	11	22 690	0	00 568	122
21				598	600	601	602	607	611	618	637	672	717	746	741	723	684	656	631	626	622	618	619	604	586	596	590	638	0	10	59 753	21	18 583	170
22				591	595	606	601	599	602	607	627	653	688	713	726	684	638	622	600	601	605	603	606	596	598	597	594	623	1	11	23 738	1	20 587	151
23				598	605	603	603	605	606	608	625	633	666	705	702	696	673	654	631	620	611	604	596	595	590	591	598	626	0	10	58 713	21	55 588	125
24	✓			600	601	605	607	610	612	610	617	634	656	687	705	696	677	652	633	621	615	612	614	612	610	609	608	629	0	11	30 710	0	04 598	112
25				604	611	612	612	616	619	618	627	649	686	711	723	718	682	646	621	623	619	610	610	610	610	613	602	636	1	12	07 744	23	47 593	151
26				610	597	609	617	615	615	618	629	646	670	693	699	691	666	639	630	616	607	601	597	608	604	604	604	629	0	10	34 706	1	41 592	114
27	✓			605	605	607	608	609	610	620	641	666	684	699	700	692	668	652	637	625	617	614	612	610	610	610	609	634	0	10	28 708	1	00 602	106
28	✓			608	610	610	613	614	619	630	648	676	678	694	703	704	683	672	652	637	624	614	(613)	615	612	606	605	639	1	12	09 715	23	07 603	112
29	✓	✓		612	617	616	616	618	620	633	653	683	714	738	730	712	685	653	637	631	622	617	611	610	614	617	621	645	0	10	28 741	20	33 607	134
30				618	620	624	627	618	617	613	629	661	690	709	707	703	683	659	644	628	616	611	607	606	607	609	609	638	0	10	32 718	20	15 604	114
31																																		
MEANS ALL DAYS				603	606	608	610	611	613	614	628	658	694	718	721	706	677	648	627	619	614	610	606	604	603	603	601	633						148
MEANS TEN DAYS ✱				606	606	607	610	611	613	612	623	654	689	718	725	714	688	658	636	624	618	614	612	612	612	610	610	637						134
MEANS FIVE DAYS † (G. M. T.)				606	606	606	609	610	611	610	623	656	700	731	733	719	688	655	634	626	619	613 614	611 611	610	609	606	605	637						
MEANS FIVE DAYS ‡ (G. M. T.)				599	602	606	607	609	614	615	634	665	713	732	721	694	654	622	596	594	594	591	606	599	598	606	594	628						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
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□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 374

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MAY 1931 — MAY 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				613	614	619	621	621	618	628	639	654	681	704	727	733	709	678	651	636	626	624	619	607	607	611	614	644	0	12 28	739	20 51	598	141
2				604	598	607	616	621	623	631	649	670	698	712	717	711	686	656	638	627	620	617	614	616	619	618	617	641	0	12 13	726	1 19	593	133
3	✓			614	614	609	606	608	612	618	634	666	698	727	723	705	677	646	616	605	603	610	606	604	610	606	602	634	0	10 26	732	17 34	600	132
4	✓			599	604	605	610	613	612	613	621	647	659	680	693	693	690	669	641	621	614	615	610	606	607	607	608	631	0	12 54	697	0 50	596	101
5				607	606	605	604	602	604	614	611	637	672	706	730	731	711	674	644	618	601	600	602	600	604	604	605	633	0	12 05	743	18 50	599	144
6			✓	619	622	606	633	619	607	600	577	603	625	678	699	714	702	673	644	620	605	604	607	616	590	583	535	624	1	12 59	732	23 46	517	215
7			✓	559	570	573	581	584	580	580	585	592	593	621	653	665	672	662	630	606	589	536	584	582	594	588	585	601	1	12 52	680	0 00	521	159
8				590	589	594	593	598	602	598	600	616	654	689	723	729	714	681	639	612	600	598	596	595	595	595	595	625	0	12 33	734	0 23	585	149
9	✓	✓		599	603	603	607	610	613	606	590	585	604	646	676	696	692	677	655	628	609	605	602	602	600	598	598	621	0	12 36	701	8 20	578	123
10	✓	✓		601	603	605	607	609	611	606	600	611	643	675	703	715	717	695	661	633	619	618	617	616	618	614	616	634	0	13 08	723	7 42	598	125
11				617	619	624	629	623	623	630	637	647	653	658	682	690	656	617	584	572	564	572	570	570	570	570	583	615	1	12 03	700	17 00	557	143
12				596	591	588	587	590	594	604	612	619	636	654	664	663	648	635	623	601	593	589	587	593	594	593	589	610	1	11 53	671	0 07	575	96
13			✓	586	586	590	596	598	602	606	615	634	656	683	706	708	676	644	593	586	588	578	570	568	565	572	578	612	1	12 21	730	15 49	559	171
14			✓	598	608	599	597	603	609	607	603	625	639	657	673	666	650	638	627	613	571	553	555	604	573	556	550	607	1	12 02	693	23 36	535	158
15			✓	581	572	587	595	585	592	592	601	612	604	635	651	663	652	634	610	597	588	587	585	590	580	579	581	602	1	12 15	670	1 30	569	101
16				588	599	590	583	589	596	605	613	624	642	641	658	667	656	641	627	601	588	591	583	583	588	594	606	611	1	12 52	676	20 10	580	96
17				597	596	599	600	603	605	607	615	633	654	685	706	704	694	664	637	614	608	600	601	598	598	580	578	624	0	12 01	716	23 13	572	144
18				588	591	589	595	597	601	613	628	637	651	654	655	661	654	633	603	594	589	584	583	580	578	583	590	610	1	12 48	668	21 08	577	91
19	✓			593	593	601	604	600	604	614	621	631	651	(669)	674	686	678	653	634	620	613	609	609	602	599	599	601	623	0	12 34	689	0 04	591	98
20				603	604	605	608	612	615	621	627	650	657	683	701	690	671	636	627	601	585	570	574	579	590	595	599	621	0	11 42	705	18 30	561	144
21	✓			600	599	603	603	606	609	618	631	642	662	677	681	677	662	647	630	615	609	607	606	606	607	605	604	625	0	11 44	686	1 31	598	88
22	✓	✓		606	609	610	611	614	614	619	634	640	655	671	671	668	658	655	642	624	614	613	611	609	612	612	613	629	0	10 48	676	0 14	604	72
23	✓	✓		613	615	617	619	623	620	616	609	611	627	645	667	667	668	661	647	635	626	626	624	621	622	621	621	630	0	11 28	672	8 00	604	68
24	✓			616	617	618	623	628	629	643	655	658	664	661	657	652	650	651	642	629	623	621	618	617	614	613	616	634	1	9 14	668	0 09	613	55
25				618	619	621	624	625	630	639	648	652	666	685	690	685	658	648	644	631	615	624	632	616	616	617	608	638	1	11 29	706	23 22	601	105
26				615	592	590	596	600	605	613	625	636	652	666	679	638	640	634	627	619	606	602	598	597	597	596	599	618	1	11 25	705	2 20	583	122
27				607	599	597	597	602	608	620	623	631	641	663	676	676	664	641	622	611	606	605	605	603	603	603	604	621	0	12 22	680	1 45	596	84
28	✓	✓		606	607	608	609	611	614	627	640	652	665	676	672	665	655	642	634	626	615	611	612	613	615	615	616	629	0	10 05	679	0 20	605	74
29				616	619	624	625	629	634	649	672	692	702	683	694	690	675	658	634	617	608	608	608	609	609	609	612	641	1	9 16	711	19 14	607	104
30				612	613	616	618	619	622	631	650	656	662	651	650	658	643	632	630	629	621	619	618	619	620	614	615	630	1	9 58	673	23 32	611	62
31				622	623	620	622	624	629	641	657	674	692	701	710	702	689	668	641	629	625	627	627	623	619	620	623	646	0	10 56	715	21 45	618	97
MEANS ALL DAYS				603	603	604	607	609	611	616	623	637	653	672	686	686	673	653	632	615	605	602	601	601	600	599	599	625						116
MEANS TEN DAYS ✲				605	606	608	610	612	614	618	624	634	653	673	682	682	675	660	640	624	614	614	612	610	610	609	610	629						94
MEANS FIVE DAYS † (G. M. T.)				605	607	609	611	613	614	615	615	620	639	663	678	682	678	666	648	629	617	606 615	604 613	603	603	603	603	627						
MEANS FIVE DAYS ‡ (G. M. T.)				589	592	591	600	598	598	597	596	613	623	655	676	683	670	650	621	604	588	582	584	596	585	582	571	610						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 375

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1931

JUNE 1931

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				624	625	624	621	626	632	639	647	659	683	715	745	747	693	679	644	617	575	557	581	596	599	583	565	636	1	11 50	765	18 25	546	219
2			✓	591	590	597	589	614	609	580	551	564	609	630	658	634	631	620	603	579	577	586	583	579	589	590	596	598	1	11 39	698	7 19	538	160
3				610	598	593	604	605	609	618	631	645	655	665	662	670	661	641	624	612	603	601	601	599	599	599	596	621	0	12 10	682	2 22	590	92
4	✓			594	597	600	603	603	607	615	617	625	643	655	660	650	629	617	624	624	612	608	605	603	603	604	607	617	0	12 05	668	0 16	592	76
5	✓	✓		606	609	611	613	615	617	632	653	677	700	708	700	674	645	625	618	623	619	612	611	615	620	625	617	635	0	10 24	710	0 31	604	106
6				616	614	614	617	617	618	623	627	633	647	670	674	662	647	629	623	616	607	605	608	606	606	607	609	625	0	11 41	690	17 59	604	86
7				609	610	612	608	609	613	623	634	637	660	673	691	685	673	662	639	613	603	602	602	599	598	597	609	628	0	11 10	704	22 43	596	108
8				606	604	605	609	610	612	619	624	634	652	675	696	704	705	677	623	614	594	581	552	541	534	567	543	616	1	11 54	727	22 01	523	204
9			✓	536	584	564	565	568	572	577	568	572	584	607	613	611	615	609	604	599	587	586	586	586	584	582	577	585	1	10 40	626	0 09	525	101
10				580	597	590	586	605	596	602	617	634	651	641	647	643	609	597	596	600	605	603	602	589	569	575	578	605	1	11 17	671	21 36	562	109
11				585	588	602	600	599	599	608	612	621	640	616	634	637	635	635	631	622	605	577	552	553	568	586	592	604	1	9 36	653	19 50	546	107
12				599	603	604	603	603	599	605	618	633	663	701	673	662	634	616	610	600	590	582	591	595	596	597	598	616	1	10 45	716	18 33	577	139
13				595	593	597	602	607	608	615	618	615	643	651	662	664	650	636	624	610	606	604	597	592	598	600	613	617	1	12 01	675	20 04	589	86
14	✓			608	608	611	608	609	614	616	624	630	653	674	674	668	646	621	605	602	600	595	595	597	595	594	608	619	0	11 04	683	18 51	593	90
15	✓	✓		609	606	606	608	609	613	623	632	647	663	675	681	687	677	653	637	619	608	609	609	609	609	608	610	629	0	12 33	690	2 19	604	86
16		✓		615	612	613	615	616	619	617	617	624	629	652	664	670	668	653	635	627	618	614	611	613	617	622	622	628	0	12 52	674	20 02	610	64
17	✓	✓		623	624	624	625	627	631	636	639	644	654	668	687	691	689	673	649	636	625	621	621	610	610	616	618	639	0	13 00	695	20 47	603	92
18	✓			621	616	613	616	618	620	622	628	641	655	665	664	660	649	643	640	631	619	618	622	621	620	617	618	631	0	10 57	668	2 12	609	59
19	✓			616	618	622	618	618	617	621	619	628	645	658	661	662	662	651	641	634	624	620	618	614	616	618	616	630	0	12 17	669	21 00	610	59
20				618	618	617	621	621	623	625	633	631	645	640	644	651	647	643	639	634	624	621	621	618	618	622	621	629	1	12 42	654	2 20	615	39
21				619	616	619	623	620	620	626	628	639	669	686	684	693	682	650	637	630	630	629	626	625	623	620	619	638	1	12 56	707	1 37	615	92
22				623	614	606	612	616	619	631	637	636	643	654	644	646	633	644	643	626	610	612	616	617	617	617	616	626	1	10 31	662	2 12	600	62
23				614	615	616	616	623	623	626	631	638	644	657	(659)	656	647	640	630	621	616	612	614	610	612	619	613	627	0	[11 56	663]	21 10	606	[57]
24	✓			612	615	616	618	619	619	628	639	652	667	671	663	653	644	627	620	616	623	623	626	625	623	620	618	631	0	10 37	677	0 10	609	68
25	✓	✓		622	625	627	627	627	632	638	645	649	661	671	678	681	676	663	646	632	630	628	625	622	621	620	621	640	0	12 35	684	23 23	619	65
26			✓	623	625	624	626	624	628	636	644	646	649	729	711	704	697	698	672	635	576	569	584	591	577	603	597	636	1	12 51	753	17 55	554	199
27			✓	594	599	618	621	614	614	629	639	656	654	666	648	659	641	628	606	598	599	606	603	578	582	616	609	620	1	10 03	712	20 25	570	142
28			✓	603	619	617	609	610	618	629	645	648	659	670	684	676	668	649	612	595	574	582	600	603	600	600	610	624	1	12 00	703	18 03	556	147
29				600	609	609	609	611	611	614	635	659	680	702	703	692	671	647	630	614	613	611	608	605	607	604	604	631	0	11 34	713	0 14	599	114
30	✓			614	609	612	616	615	617	624	636	649	664	674	687	677	671	661	648	633	617	614	614	613	613	612	611	633	0	11 41	695	1 29	607	88
31																																		
MEANS ALL DAYS				606	609	609	610	613	614	620	626	636	652	667	672	669	656	643	628	617	606	603	603	601	601	605	604	624						104
MEANS TEN DAYS *				612	613	614	615	616	619	626	633	644	660	672	676	670	659	643	633	625	618	615	615	613	613	613	614	630						79
MEANS FIVE DAYS † (G. M. T.)				615	615	616	618	619	622	629	637	648	661	675	682	681	671	653	637	627	620	610 617	609 615	609	609	610	613	633						
MEANS FIVE DAYS ‡ (G. M. T.)				589	603	604	602	606	608	610	609	617	631	660	663	657	650	641	619	601	583	586	589	586	583	598	587	612						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIDNAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STDPPED
⊼ = NO RECORD

TABLE 376

HORIZONTAL INTENSITY

JULY 1931 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JULY 1931

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				612	616	616	617	618	622	631	645	657	668	682	680	670	658	647	635	625	618	618	616	611	610	613	621	634	0	11 12	686	20 17	606	80
2				622	621	624	623	613	627	644	671	685	698	705	695	687	685	672	629	588	578	584	591	598	602	601	600	635	1	10 04	720	17 23	576	144
3				603	606	614	614	616	620	633	652	661	689	698	709	693	670	654	635	616	610	609	613	615	617	616	617	637	1	11 35	723	1 00	602	121
4				617	610	607	613	619	621	635	649	662	680	688	691	678	660	649	627	609	604	608	607	607	609	607	615	632	0	10 30	699	17 39	598	101
5	✓			615	615	614	615	615	621	627	635	650	662	673	675	675	670	665	645	624	616	614	613	609	609	608	610	632	0	11 08	679	20 50	606	73
6	✓			612	616	620	622	622	622	630	647	665	680	706	718	705	679	654	630	616	613	614	612	611	614	613	612	639	0	11 16	723	0 10	611	112
7	✓			610	609	612	617	617	621	630	643	658	676	699	714	708	680	661	641	630	611	606	610	615	615	618	620	638	0	11 20	728	18 48	606	122
8	✓			617	620	625	622	620	622	626	643	666	686	710	722	712	690	669	651	632	619	618	615	615	615	612	614	643	0	11 43	724	22 34	612	112
9	✓	✓		615	616	616	619	623	627	633	643	659	683	708	732	724	701	671	649	626	614	615	614	614	614	613	615	644	0	11 22	740	17 40	611	129
10	✓	✓		619	622	625	626	627	629	635	647	666	688	707	723	713	686	660	637	625	619	622	621	626	628	630	626	646	0	11 24	731	18 00	617	114
11				620	624	619	614	621	619	621	634	660	669	688	707	722	707	658	621	600	595	599	601	609	608	616	607	635	1	13 04	738	18 04	593	145
12				612	620	625	626	630	636	632	638	647	656	676	711	714	701	669	647	635	632	629	627	622	620	609	599	642	1	11 42	723	24 00	595	128
13				590	596	609	614	615	619	630	635	639	658	692	709	699	674	660	632	621	623	623	619	613	610	605	609	633	0	11 36	719	0 59	587	132
14				616	631	625	623	622	633	619	608	628	663	700	742	733	710	673	638	617	611	614	610	607	609	601	619	640	1	11 52	771	22 30	598	173
15				616	616	610	626	618	612	615	632	654	681	707	721	715	692	661	635	614	604	605	604	598	610	610	607	636	0	11 47	729	20 41	596	133
16				602	602	616	612	607	609	616	626	644	(670)	689	715	720	704	672	639	614	606	607	607	604	604	602	604	633	0	11 47	726	22 43	600	126
17				605	607	608	610	616	617	628	644	657	674	691	704	695	677	649	633	626	620	619	622	623	620	616	611	636	0	11 04	716	0 39	601	115
18				621	613	622	612	615	616	619	632	660	682	698	704	692	666	638	616	609	612	614	614	614	615	614	612	634	0	11 28	707	16 39	607	100
19	✓	✓		614	615	617	619	620	623	625	634	653	674	690	701	694	678	662	645	626	615	616	616	615	616	616	618	638	0	11 42	706	0 00	612	94
20	✓	✓		620	622	623	625	627	629	627	618	628	655	686	692	691	674	644	633	628	621	619	621	622	619	616	614	636	0	10 46	697	24 00	609	88
21	✓	✓		615	621	619	622	621	618	625	635	655	682	693	716	723	702	670	642	630	623	619	614	613	614	611	612	641	0	11 50	729	0 08	608	121
22				614	619	619	619	621	619	627	635	646	666	694	717	727	712	680	649	629	621	620	619	616	619	634	636	644	0	12 40	730	0 15	611	119
23			✓	640	642	634	644	644	621	632	616	631	682	730	739	676	665	594	566	572	584	562	572	570	577	593	586	624	1	11 27	753	18 33	551	202
24			✓	594	595	593	593	605	605	607	621	642	665	688	681	679	655	629	613	608	608	605	597	592	592	600	614	620	1	10 10	698	20 59	584	114
25			✓	601	608	607	607	608	614	603	615	609	617	635	642	654	651	632	607	598	593	570	583	575	576	581	607	608	1	12 58	670	19 00	559	111
26			✓	597	610	608	598	604	605	612	623	628	647	666	676	674	645	605	592	582	589	592	592	594	594	595	596	614	1	12 08	681	16 40	580	101
27				598	600	606	603	602	603	611	636	666	684	703	699	690	676	647	617	608	613	615	620	623	612	611	616	632	0	11 07	714	0 00	596	118
28			✓	625	616	613	607	623	630	620	625	636	631	667	676	675	638	599	575	566	584	586	584	596	608	598	597	616	1	11 45	695	16 18	560	135
29				618	616	611	607	605	611	620	637	661	669	679	666	634	620	606	607	610	608	593	580	587	598	608	595	619	1	10 08	696	19 23	570	126
30				594	598	601	604	606	608	619	638	659	680	690	686	674	660	635	608	593	593	593	596	606	601	607	610	623	1	10 43	702	16 56	589	113
31	✓			608	608	607	604	607	612	626	653	682	709	724	742	734	702	666	638	619	613	613	612	614	612	605	610	642	0	11 47	748	22 49	601	147
MEANS ALL DAYS				612	614	615	615	617	619	624	636	652	672	692	703	696	677	650	627	613	609	607	607	608	609	609	611	633						121
MEANS TEN DAYS ✻				614	616	618	619	620	622	628	640	658	680	700	714	708	686	662	641	626	616	616	615	615	616	614	615	640						111
MEANS FIVE DAYS † (G. M. T.)				617	619	620	622	624	625	629	635	652	676	697	713	709	688	661	641	627	618	616 618	616 617	616	616	614	615	640						
MEANS FIVE DAYS ‡ (G. M. T.)				611	614	611	610	617	615	615	620	629	648	677	683	672	651	612	591	585	592	583	598	595	595	604	612	618						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 377

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1931 — AUGUST 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				608	610	611	611	610	616	616	617	626	645	684	699	702	685	655	625	603	597	602	604	604	605	606	610	627	1	12 28	715	16 59	596	119
2	✓	✓		609	610	613	613	613	613	620	636	656	680	698	705	704	685	661	637	624	615	613	621	627	614	594	592	636	0	11 37	713	23 58	584	129
3				586	616	605	596	603	608	616	633	657	689	707	(706	689)	656	627	611	608	608	608	607	604	602	607	609	627	1	[11 —	717]	0 24	581	[136]
4	✓			611	606	622	616	617	615	619	636	666	691	725	739	729	706	667	632	618	609	610	613	611	602	599	599	640	0	11 53	743	21 53	596	147
5	✓			608	612	615	618	616	621	634	643	667	682	701	737	725	702	666	628	594	582	590	599	603	604	598	598	635	0	11 30	748	17 05	582	166
6				599	605	611	615	617	616	622	632	629	654	681	705	708	687	649	635	629	624	627	627	625	620	622	627	636	0	11 51	714	0 12	596	118
7				615	617	614	621	622	615	620	629	638	646	674	667	652	645	641	629	620	616	606	572	575	581	607	599	622	1	10 49	684	19 47	558	126
8			✓	608	597	591	601	611	615	610	620	624	641	662	675	684	668	622	600	599	596	588	586	575	582	589	582	614	1	11 11	705	21 02	560	145
9			✓	581	602	610	607	608	610	624	629	652	663	653	665	666	657	637	599	587	593	595	596	599	599	599	596	618	1	11 36	684	0 21	575	109
10				610	600	600	598	601	607	613	625	640	658	682	698	680	662	627	606	593	598	593	593	590	593	598	596	619	1	11 33	708	16 36	587	121
11				582	581	583	590	595	600	609	623	647	664	680	681	677	663	620	596	594	601	601	598	597	597	598	595	616	1	10 42	689	1 25	577	112
12	✓	✓		595	602	607	609	611	611	617	628	652	684	707	724	715	676	643	624	607	602	596	591	591	595	600	603	629	0	11 26	735	19 46	589	146
13	✓			604	605	604	605	608	616	624	630	639	671	669	678	676	660	620	613	610	609	609	608	607	607	607	601	624	1	12 03	699	23 30	594	105
14	✓			603	602	603	610	608	616	622	632	651	666	686	692	694	672	641	614	602	600	604	607	606	605	610	609	627	0	12 27	699	0 48	598	101
15				610	610	608	610	614	620	633	651	669	686	699	711	712	691	656	623	596	593	587	585	591	588	598	585	630	0	11 41	719	19 28	580	139
16				590	594	598	606	620	623	629	642	658	679	687	699	688	663	662	636	604	585	589	591	591	598	604	606	627	1	11 27	712	17 42	582	130
17	✓	✓		605	610	610	608	609	609	607	615	627	663	687	682	666	651	643	633	616	608	602	602	610	610	610	611	625	0	10 45	699	18 56	600	99
18		✓		613	611	613	620	618	620	618	626	653	(668	700	708)	699	675	663	638	626	622	622	604	598	608	591	588	633	0	[10 51	712]	20 03	583	[129]
19				597	604	610	614	614	615	616	628	648	665	689	700	698	675	655	632	618	597	589	595	604	611	611	602	629	1	12 17	717	18 00	583	134
20			✓	593	622	617	598	600	606	618	634	657	645	654	659	661	643	634	623	604	599	595	604	599	598	609	610	620	1	11 21	692	0 34	584	108
21			✓	622	611	613	607	604	603	596	603	606	595	593	643	650	656	629	611	596	591	589	596	596	599	602	602	609	1	13 23	663	18 29	586	77
22				604	604	606	607	611	615	631	643	649	650	652	639	644	643	635	623	615	607	602	605	602	598	604	605	621	0	10 37	661	21 58	596	65
23				602	602	598	604	612	619	630	650	665	678	683	692	688	676	666	648	631	614	605	605	607	613	613	613	634	0	10 21	702	2 46	594	108
24				606	602	610	621	630	633	643	662	682	695	699	684	671	653	655	640	614	586	562	581	590	569	597	598	628	1	10 01	711	21 54	542	169
25			✓	581	600	607	594	590	600	610	637	644	658	652	681	679	668	644	624	603	604	599	601	598	606	608	595	620	1	12 13	707	1 00	570	137
26				608	608	606	606	610	617	622	632	654	668	696	695	686	663	652	635	608	601	582	579	600	600	601	599	626	1	11 30	710	18 54	573	137
27				608	609	609	616	614	619	623	645	668	682	703	723	684	672	649	631	602	590	567	553	562	586	594	590	625	1	11 25	747	19 54	549	198
28				597	596	606	609	607	604	614	629	665	682	683	681	665	640	616	607	606	603	600	607	602	604	605	605	622	0	9 51	703	0 00	594	109
29	✓			606	602	601	605	609	614	614	622	643	659	664	667	660	659	645	629	607	601	600	605	606	605	607	610	622	0	11 27	670	18 28	597	73
30	✓	✓		607	608	610	613	614	620	634	662	696	721	722	715	695	674	650	635	621	616	612	611	606	602	604	610	640	0	10 27	731	20 50	600	131
31	✓			614	613	604	609	616	619	630	643	667	692	713	718	708	674	643	628	616	604	600	600	610	603	602	611	635	0	11 11	722	18 47	596	126
MEANS ALL DAYS				603	606	607	608	611	614	620	633	651	668	683	693	686	668	644	624	609	602	598	598	600	600	603	602	626						124
MEANS TEN DAYS ✲				606	607	609	611	612	615	622	635	656	681	697	706	697	676	648	627	612	605	604	606	608	605	603	604	631						122
MEANS FIVE DAYS † (G. M. T.)				606	608	611	613	613	615	619	633	657	683	703	707	696	672	652	633	619	613	599 609	600 606	602	603	605	606	632						
MEANS FIVE DAYS ‡ (G. M. T.)				597	606	608	601	603	607	612	625	637	640	643	665	668	658	633	611	598	597	593	588	589	588	603	598	615						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 378

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1931 SEPTEMBER 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			614	612	604	608	609	609	612	625	653	686	710	726	727	714	695	665	632	610	611	609	603	602	603	610	640	0	11 55	730	2 16	596	134
2	✓	✓		612	613	614	615	618	621	621	626	649	675	696	702	697	687	666	650	635	621	618	617	613	615	618	622	638	0	11 29	704	0 04	608	96
3				631	636	637	644	628	636	645	648	682	706	708	713	711	705	699	669	643	616	601	586	561	542	568	585	642	1	12 00	741	22 12	526	215
4			✓	572	603	593	591	599	607	619	615	618	647	676	691	690	660	623	597	588	584	585	596	590	602	598	593	614	1	10 53	722	0 50	562	160
5				587	598	597	600	606	608	619	624	649	675	702	713	714	696	658	629	603	592	600	594	579	582	592	583	625	1	12 48	725	21 24	570	155
6			✓	588	591	599	610	618	611	613	619	621	657	714	709	707	695	659	608	576	572	571	592	583	611	596	577	621	1	10 32	747	18 26	562	185
7				577	588	600	602	600	604	603	621	650	674	692	695	697	673	658	633	607	597	597	598	594	597	599	586	623	1	12 18	706	0 02	574	132
8				605	594	600	610	604	611	615	625	652	676	693	695	674	658	626	609	587	583	579	576	577	577	567	567	615	1	10 51	708	22 52	560	148
9				571	585	600	600	598	599	604	613	636	641	654	672	652	618	609	609	593	574	581	596	594	589	583	587	607	1	11 49	682	0 31	568	114
10				589	595	593	598	601	608	617	630	645	675	702	696	689	670	644	624	609	597	597	597	595	592	583	586	622	1	12 01	709	22 39	580	129
11	✓			595	597	595	601	601	609	608	617	636	657	667	682	700	676	662	633	616	610	603	594	595	594	599	601	623	1	12 48	713	0 00	590	123
12	✓			602	603	606	609	610	611	616	640	659	670	667	669	665	655	636	631	614	600	599	601	602	604	602	604	624	0	9 53	677	17 33	597	80
13	✓			611	609	606	600	604	609	612	628	645	671	687	694	670	666	657	640	617	605	609	609	608	604	604	605	628	0	11 28	701	3 20	599	102
14				609	604	602	607	611	610	614	641	659	671	701	684	673	633	616	602	595	603	589	590	577	578	598	594	619	1	10 37	719	21 37	567	152
15			✓	600	602	600	596	609	608	602	600	643	667	687	696	697	662	630	621	599	586	588	562	588	567	567	569	614	1	11 05	716	20 07	555	161
16			✓	599	595	597	602	618	609	595	583	622	665	679	677	677	(656	640)	620	593	553	539	562	597	580	598	586	610	1	12 11	702	18 04	533	169
17			✓	574	585	587	601	595	586	586	612	640	680	714	736	723	696	653	612	593	590	589	592	592	592	591	596	621	1	11 06	748	0 14	559	189
18	✓	✓		595	594	597	601	600	599	592	611	640	687	728	746	737	705	663	628	602	592	599	600	599	601	603	602	630	0	11 53	751	17 35	590	161
19	✓	✓		602	602	605	603	604	603	599	607	654	699	733	749	729	694	659	643	620	603	600	599	610	602	601	606	634	0	11 35	754	22 02	596	158
20				608	612	612	614	612	616	620	641	677	710	711	734	729	674	629	596	601	591	555	546	530	549	565	582	621	1	12 14	763	20 42	524	239
21				580	589	601	591	604	612	613	625	651	673	676	677	674	669	642	613	599	594	590	585	583	567	570	588	615	1	11 20	688	21 57	557	131
22				596	592	594	600	602	604	609	620	648	674	702	712	690	659	624	607	573	598	598	596	596	589	591	591	619	1	12 05	731	16 17	562	169
23				596	597	598	602	603	604	603	609	642	664	658	680	661	635	619	617	614	605	586	593	575	584	591	590	614	1	9 46	699	20 20	572	127
24				585	581	589	591	595	599	610	632	667	709	719	716	691	660	628	608	597	599	599	603	605	599	604	602	624	1	10 07	740	1 37	579	161
25				603	600	597	606	609	610	610	623	653	688	717	732	731	703	660	618	589	580	598	601	599	589	589	595	629	0	12 29	736	17 11	576	160
26				598	598	598	599	600	599	600	610	646	683	720	705	699	671	645	613	603	599	597	589	582	573	576	581	620	1	10 30	739	21 23	570	169
27	✓			587	586	593	597	601	603	603	615	656	695	728	737	716	677	634	619	609	604	601	598	600	597	600	601	627	0	11 44	743	1 48	583	160
28	✓	✓		603	602	603	605	606	609	618	648	694	746	777	768	738	682	641	620	614	608	605	605	606	608	603	604	642	0	10 45	791	22 50	600	191
29	✓	✓		605	608	610	613	617	616	608	625	655	695	728	736	734	690	665	649	644	643	633	622	621	620	623	620	645	0	11 21	742	6 33	602	140
30				622	619	624	629	626	625	601	609	625	637	626	680	699	690	666	640	609	581	584	569	577	581	580	589	620	1	12 49	723	19 55	559	164
31																																		
MEANS ALL DAYS				597	600	602	605	607	608	610	621	649	678	699	707	700	674	647	624	606	596	593	593	591	590	592	593	624						152
MEANS TEN DAYS ✲				603	603	603	605	607	609	609	624	654	688	712	721	711	685	658	638	620	610	608	605	606	605	606	608	633						134
MEANS FIVE DAYS † (G. M. T.)				603	604	606	607	609	610	608	623	658	700	732	740	727	692	659	638	623	613	601 611	601 609	600	600	600	603	636						
MEANS FIVE DAYS ‡ (G. M. T.)				587	595	595	600	608	604	603	606	629	663	694	702	699	674	641	612	590	577	574	579	580	570	585	583	615						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 379

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				592	586	612	598	600	596	603	605	641	656	683	688	678	660	645	625	598	582	585	564	564	575	583	589	613	1	11	52	709	20	26	556	153
2			✓	589	592	598	599	598	602	591	605	637	679	711	723	703	641	589	582	566	538	561	545	561	585	577	582	606	1	11	38	745	17	32	530	215
3				578	582	586	589	590	589	582	603	642	678	716	740	723	686	652	620	600	596	598	585	582	574	583	591	619	1	11	44	754	21	04	570	184
4				585	589	590	594	597	599	606	630	666	700	742	779	727	691	618	550	561	576	580	587	576	571	547	560	618	1	11	46	797	22	14	539	258
5			✓	565	574	583	596	593	590	577	596	617	644	665	685	631	596	581	575	580	575	595	579	571	580	589	581	597	1	11	18	716	0	09	551	165
6	✓			583	584	587	589	596	586	573	582	626	671	699	711	694	658	643	620	602	586	582	589	582	579	584	580	612	1	11	33	722	6	58	566	156
7	✓			582	589	591	590	595	591	587	589	617	648	676	681	679	655	633	618	605	598	596	595	596	595	592	590	612	0	12	14	691	6	56	579	112
8	✓			583	577	582	591	589	591	593	618	665	717	745	747	732	683	654	627	594	588	591	590	591	592	598	583	626	0	11	35	754	1	32	576	178
9	✓	✓		583	584	589	595	598	598	605	629	662	712	745	753	736	694	651	624	611	603	600	598	598	598	597	598	632	0	11	37	758	1	00	582	176
10	✓	✓		596	597	600	600	601	609	609	637	678	719	747	751	708	681	650	630	613	601	594	596	596	599	601	601	634	0	11	01	759	18	34	591	168
11	✓	✓		603	603	601	601	601	603	609	635	678	713	742	733	708	670	649	632	621	607	598	593	593	596	597	598	633	0	10	50	757	20	02	589	168
12			✓	598	600	600	603	603	605	595	635	687	703	713	706	641	584	551	563	525	499	547	509	525	553	576	579	596	1	11	09	740	17	37	488	252
13				568	564	570	584	583	581	589	604	629	681	681	687	682	655	617	591	582	585	576	577	583	581	585	578	605	1	10	43	704	1	31	557	147
14				580	584	585	589	592	593	588	615	659	711	726	720	706	657	620	592	580	583	589	589	591	585	589	600	618	1	11	57	750	0	00	575	175
15	✓			590	587	591	593	592	590	576	607	636	671	704	715	672	641	614	590	584	587	592	588	590	585	588	595	612	1	11	25	727	6	29	571	156
16	✓	✓		587	582	582	588	590	592	595	613	643	667	678	671	657	645	634	626	614	605	597	593	597	601	613	607	616	0	10	20	681	24	00	577	104
17				582	591	600	608	606	599	580	575	626	651	671	681	677	658	634	596	574	588	582	589	591	591	591	594	610	1	11	23	696	7	08	561	135
18				597	598	605	605	606	610	579	568	613	641	688	699	685	682	658	621	587	582	585	591	586	595	591	587	615	1	10	59	725	7	06	537	188
19				591	603	597	598	601	599	584	607	639	671	681	683	659	649	614	593	580	583	588	586	585	593	592	595	611	1	9	51	712	6	22	570	142
20				596	589	596	596	597	594	596	608	629	651	671	677	662	649	622	621	613	602	608	603	600	598	601	599	616	1	12	10	698	1	41	580	118
21				599	597	605	602	602	606	620	637	672	680	697	684	667	645	624	620	612	601	596	590	590	586	588	592	621	1	10	05	712	20	38	581	131
22				590	596	598	597	597	601	606	629	663	685	704	676	664	656	640	618	606	602	604	605	601	602	602	600	623	1	10	30	721	0	06	586	135
23				600	600	600	605	608	605	603	614	646	648	666	650	643	628	628	618	589	569	566	581	590	584	578	579	608	1	10	23	696	19	21	551	145
24	✓			583	587	589	592	592	598	612	640	671	692	701	683	652	627	616	613	612	601	598	593	595	597	598	598	618	0	10	27	709	0	20	576	133
25	✓	✓		599	598	598	600	602	603	604	628	669	707	707	693	662	635	620	614	605	608	603	594	601	599	601	602	623	0	9	36	717	19	39	592	125
26				601	595	592	594	600	601	611	643	690	732	766	748	709	654	584	555	577	594	600	592	587	584	584	592	624	1	10	18	799	15	08	545	254
27				597	598	595	599	602	597	600	613	670	676	715	708	677	627	597	600	600	591	583	581	586	571	592	583	615	1	10	38	739	21	51	562	177
28				587	590	592	593	594	600	608	635	669	709	736	675	662	605	563	540	560	571	572	572	574	576	577	577	606	1	10	50	747	15	46	516	231
29			✓	584	582	595	604	608	574	536	484	493	468	515	502	515	529	534	501	497	479	491	512	522	522	515	540	529	2	4	51	617	10	13	431	186
30			✓	524	549	552	547	553	551	579	600	614	621	633	607	576	556	559	542	545	553	560	561	567	567	566	567	569	2	10	52	655	0	52	509	146
31				578	564	574	573	570	565	574	588	631	652	659	657	643	623	608	591	583	575	574	571	568	576	576	575	594	1	11	46	673	5	46	559	114
MEANS ALL DAYS				586	587	591	594	595	594	593	609	644	673	696	694	672	643	616	597	586	581	584	581	582	584	586	587	611								165
MEANS TEN DAYS ✲				589	589	591	594	596	596	596	618	654	692	714	714	690	659	636	619	606	598	595	593	594	594	597	595	622								148
MEANS FIVE DAYS † (G. M. T.)				594	593	594	597	598	601	604	628	666	704	724	720	694	665	641	625	613	605	595 598	593 595	594	594	596	595	627								
MEANS FIVE DAYS ‡ (G. M. T.)				572	579	586	590	591	584	576	584	610	623	647	645	613	581	563	553	543	529	551	566	566	568	564	573	581								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 380

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1931 — NOVEMBER 1931

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			575	577	580	585	587	582	588	615	650	697	727	729	698	672	637	618	599	582	583	585	586	585	586	586	617	0	11 43	740	0 06	573	167
2				584	587	587	589	592	593	571	580	605	635	638	641	642	644	646	633	606	589	583	585	583	592	582	582	603	1	10 25	656	6 49	565	91
3				579	579	584	589	601	603	604	620	639	657	647	666	652	628	630	615	576	567	569	577	573	566	571	571	603	1	11 16	674	17 40	562	112
4				569	581	595	594	588	581	567	544	576	591	599	622	626	620	608	609	607	596	590	586	585	585	580	597	592	1	12 02	649	7 19	534	115
5			✓	596	598	588	577	593	594	581	615	653	689	694	694	605	555	563	571	576	582	584	583	579	586	574	578	600	1	11 31	741	14 01	535	206
6			✓	589	578	579	581	586	588	595	592	620	628	635	651	604	606	599	599	586	570	574	571	580	590	574	570	594	1	11 19	671	17 04	563	108
7				574	585	586	581	583	594	611	631	651	671	665	657	637	614	610	606	598	590	589	590	586	580	586	577	606	1	10 02	696	23 55	566	130
8			✓	587	586	576	578	582	585	595	615	641	643	617	602	589	580	567	573	568	569	586	584	580	576	581	596	590	1	9 33	687	14 16	543	144
9				589	585	588	594	598	599	599	616	642	656	663	668	653	635	618	598	585	571	571	567	586	582	582	586	605	1	11 23	685	18 05	564	121
10				593	581	577	582	583	583	589	608	637	672	672	665	639	601	593	600	598	596	597	599	595	594	592	589	606	1	10 24	695	2 08	574	121
11	✓			593	595	593	595	589	588	599	618	649	677	684	677	644	613	592	585	588	593	597	595	592	593	593	594	610	0	11 10	692	15 21	582	110
12	✓	✓		593	597	599	597	599	600	595	613	645	671	681	678	675	660	645	631	619	614	613	616	611	612	613	612	625	0	9 54	687	6 34	592	95
13				615	613	612	610	629	618	615	615	621	642	670	685	687	671	627	595	596	590	586	592	586	583	593	593	618	1	12 12	704	18 09	580	124
14				596	600	600	602	604	603	596	587	614	624	648	658	656	628	606	592	591	590	593	588	598	602	598	593	607	1	11 14	689	7 32	571	118
15				597	598	603	603	603	601	600	613	642	656	685	692	579	625	607	595	584	585	574	571	593	587	585	593	611	1	11 04	737	19 12	564	173
16			✓	589	595	597	600	605	602	593	605	606	660	643	659	664	641	593	581)	568	560	569	569	588	590	581	586	602	1	11 10	708	17 29	553	155
17				590	586	595	597	596	594	594	615	643	668	661	679	665	637	606	608	595	585	573	585	591	589	599	599	610	1	9 40	705	18 23	561	144
18				582	586	587	582	586	592	579	587	611	627	630	613	621	628	609	590	588	580	595	594	589	587	593	593	597	1	10 21	658	6 48	565	93
19				590	592	592	590	592	599	599	611	643	646	668	663	653	637	604	572	560	562	577	589	587	592	591	587	604	1	10 14	688	16 54	554	134
20				585	592	590	590	592	597	605	618	632	652	651	663	635	620	608	609	609	597	596	598	599	598	598	596	610	1	11 32	684	0 28	583	101
21	✓	✓		594	594	598	598	600	606	625	648	669	692	693	671	643	616	596	595	602	603	603	603	602	603	602	601	619	0	9 45	701	15 39	589	112
22	✓	✓		599	597	598	599	601	609	617	639	660	665	663	644	619	612	623	625	628	617	610	609	609	609	607	605	619	0	8 55	673	1 46	596	77
23	✓			604	602	602	605	607	618	639	670	704	720	695	658	622	602	589	604	608	610	609	605	595	592	593	596	623	0	9 55	731	14 51	586	145
24	✓			600	602	601	599	607	608	609	627	659	680	686	664	651	626	617	608	618	613	619	621	621	614	612	611	624	0	9 57	701	3 30	597	104
25				606	606	604	606	608	618	632	654	672	682	678	679	670	652	648	653	637	625	628	628	617	610	609	609	635	1	9 58	698	2 24	601	97
26			✓	615	614	614	613	618	625	649	635	638	628	547	571	612	621	593	586	564	555	580	571	560	566	596	593	598	1	6 33	686	10 39	490	196
27				577	577	Δ						Δ	665	688	677	641	606	598	581	588	584	593	592	594	597	589	594		1	10 26	718			
28	✓	✓		593	590	591	590	592	590	589	606	632	644	679	668	666	633	624	604	603	603	608	604	605	601	600	594	613	1	10 48	690	6 26	581	109
29	✓			593	595	599	603	604	605	610	624	647	679	690	697	681	660	642	626	609	603	598	598	601	607	598	599	624	0	10 54	705	0 22	591	114
30	✓	✓		593	600	601	601	604	609	616	640	670	684	702	699	687	659	642	625	611	601	602	605	604	603	605	601	628	0	10 38	706	0 50	590	116
31																																		
MEANS ALL DAYS a)				592	593	594	594	598	599	602	616	640	660	662	663	647	627	612	604	596	590	592	592	592	592	592	593	610						a) 125
MEANS TEN DAYS ✱				594	595	596	597	599	602	609	630	658	681	690	678	659	635	621	612	608	604	604	604	603	602	601	600	620						115
MEANS FIVE DAYS † (G. M. T.)				594	596	597	597	599	603	608	629	655	671	684	672	658	636	626	616	613	608	597 607	597 607	598	600	596	597	619						
MEANS FIVE DAYS ‡ (G. M. T.)				595	594	591	590	597	599	603	612	632	650	627	635	615	601	583	582	572	567	579	592	592	590	587	591	599						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete day November 27

TABLE 381

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1931

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				600	598	607	599	600	605	619	649	659	661	664	647	661	632	638	621	595	582	585	575	576	574	582	586	613	1	10	56 687	20	03 566	121
2			✓	588	593	594	604	608	603	596	625	648	672	669	668	681	665	634	584	544	575	577	580	571	575	577	592	609	1	9	32 717	16	15 525	192
3			✓	596	585	587	597	611	598	586	595	609	641	660	649	652	653	649	620	587	583	590	595	589	600	586	585	608	1	10	17 701	7	21 565	136
4			✓	608	600	593	604	607	606	593	615	606	619	610	608	626	636	643	629	603	581	579	596	589	585	585	586	604	1	9	49 670	10	27 561	109
5			✓	590	595	592	590	592	603	598	597	600	621	609	620	636	636	629	614	592	573	576	586	587	592	601	594	601	1	11	54 648	10	02 559	89
6				586	587	591	591	592	602	600	598	603	594	613	609	604	593	596	602	599	586	593	597	594	587	585	598	596	1	11	04 629	8	53 577	52
7	✓			592	590	589	590	597	601	611	615	633	639	651	645	628	591	587	597	604	601	599	600	590	595	594	591	605	1	10	13 663	13	28 582	81
8	✓			592	594	596	595	594	603	622	644	666	675	665	655	636	611	597	591	591	589	593	596	602	606	605	602	613	0	9	24 678	15	42 584	94
9	✓			601	601	600	599	601	608	610	634	669	695	700	677	656	596	577	559	574	594	598	607	604	600	604	601	615	0	10	35 707	15	45 554	153
10				603	601	593	612	607	601	595	612	652	683	696	680	654	624	600	588	588	593	589	597	592	594	598	599	615	1	10	19 704	2	35 579	125
11			✓	596	593	599	601	599	612	634	659	684	711	732	698	673	670	606	567	585	556	560	573	573	585	575	578	617	1	11	06 770	15	00 517	253
12				585	584	586	591	590	595	587	586	610	653	658	657	649	617	594	569	568	586	585	588	589	589	596	595	600	1	10	16 689	16	50 557	132
13				602	599	599	600	602	604	610	629	678	690	693	704	679	649	628	591	577	573	578	587	596	592	594	597	619	1	10	59 720	17	00 561	159
14				594	595	597	602	601	599	603	621	652	692	709	717	692	650	629	604	599	582	576	588	592	595	594	596	620	1	11	05 744	18	16 568	176
15				595	593	593	595	596	594	598	613	643	675	691	697	668	652	620	601	573	568	582	585	589	597	596	594	613	1	11	14 722	17	16 561	161
16				596	598	597	606	(608	605)	604	619	660	678	708	704	690	661	629	614	599	598	595	602	603	589	599	599	623	1	10	41 734	21	41 585	149
17				598	600	604	609	611	609	613	608	612	636	643	637	631	641	627	624	610	600	598	602	602	598	601	600	613	1	10	52 689	7	49 595	94
18	✓			600	600	602	603	606	608	602	600	608	633	640	644	629	627	622	615	606	602	597	603	603	605	607	609	611	1	10	09 655	18	05 594	61
19	✓	✓		607	605	604	601	601	606	606	606	616	632	643	649	644	620	590	589	597	600	605	608	606	606	608	607	611	0	10	56 656	14	52 584	72
20	✓	✓		608	607	606	606	606	609	617	634	656	674	676	661	652	629	610	595	594	599	603	604	603	603	601	603	619	0	10	05 682	15	21 591	91
21	✓	✓		603	602	604	604	605	609	614	625	643	656	658	658	655	646	634	629	621	611	612	608	611	607	603	596	621	0	12	30 663	24	00 586	77
22	✓			591	604	611	616	621	624	625	635	555	680	689	675	651	636	641	646	634	610	602	608	610	611	611	611	629	1	9	52 719	0	02 586	133
23				612	615	617	618	618	620	629	645	651	700	689	648	617	596	592	584	580	(584)	587	596	592	598	604	605	617	1	9	34 717	16	04 575	142
24				606	609	612	611	612	614	620	637	663	688	692	690	671	637	603	592	592	599	604	604	610	596	594	599	623	0	9	19 695	16	19 587	108
25				607	596	592	600	609	608	615	624	659	706	719	722	690	634	593	573	578	589	588	593	596	597	596	596	620	1	11	04 744	16	44 565	179
26	✓	✓		600	600	603	605	607	608	607	608	634	676	713	721	705	658	616	588	587	595	600	605	605	602	606	606	623	0	11	10 731	16	11 582	149
27	✓	✓		605	605	608	611	612	613	615	619	641	665	665	679	677	663	645	619	604	603	604	608	608	612	615	615	625	0	10	48 683	16	58 598	85
28				613	610	610	623	620	627	640	661	683	716	744	749	696	606	585	576	590	583	582	598	606	613	610	583	630	1	11	50 767	13	47 553	214
29				591	594	594	601	603	601	601	624	598	650	644	677	632	614	606	598	600	604	594	580	587	593	584	584	606	1	11	42 714	8	37 563	151
30				584	595	589	590	592	595	614	617	629	662	686	705	696	684	641	607	602	583	570	577	587	589	589	592	616	1	11	43 729	17	48 563	166
31				593	603	606	599	593	597	606	620	655	686	717	704	681	632	602	574	571	575	580	586	580	592	589	594	614	1	10	32 727	16	45 566	161
MEANS ALL DAYS				598	598	599	602	604	606	609	622	641	666	676	673	658	634	615	599	592	589	590	595	595	596	596	597	615						131
MEANS TEN DAYS ✲				600	601	602	603	605	609	613	622	642	662	670	666	653	628	612	603	601	600	601	605	604	605	605	604	617						100
MEANS FIVE DAYS † (G. M. T.)				605	604	605	605	606	609	612	618	638	661	671	674	667	643	619	604	601	602	599 605	603 607	603	603	604	604	619						
MEANS FIVE DAYS ‡ (G. M. T.)				596	593	593	599	603	604	601	618	629	653	656	649	654	652	632	603	582	574	576	589	583	586	586	590	608						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 382

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1931 — JANUARY 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				411	411	412	413	413	413	414	419	420	417	413	408	407	410	412	412	410	409	414	414	414	414	414	413	413	0	7 42	421	12 30	406	15
2	✓			411	411	412	413	414	412	413	413	409	406	405	402	397	401	405	406	404	407	410	411	411	411	412	413	409	0	4 45	414	12 37	395	19
3	✓	✓		413	412	412	413	414	414	414	418	418	419	419	415	413	416	419	416	414	412	412	413	413	413	413	413	414	0	9 55	421	18 25	411	10
4	✓			413	413	413	414	415	413	414	420	421	421	423	422	406	407	416	422	418	416	418	416	416	415	415	414	416	0	15 50	424	12 55	399	25
5	✓			413	413	414	415	415	415	415	421	424	419	417	416	418	422	421	418	417	416	417	416	415	413	412	413	416	0	8 00	424	22 03	411	13
6	✓			415	415	415	417	417	416	417	424	423	421	417	408	404	409	413	413	418	415	414	414	414	414	414	414	415	0	7 30	425	12 00	404	21
7	✓	✓		413	414	415	416	417	417	417	423	420	420	418	413	411	406	411	417	419	417	415	415	414	414	413	414	415	0	7 30	423	13 25	406	17
8		✓		414	413	413	414	415	416	415	417	415	407	401	401	408	407	406	410	413	414	414	414	412	411	412	410	411	0	7 20	418	10 55	400	18
9				412	413	412	412	414	415	416	419	415	411	408	403	398	400	397	394	399	401	399	411	414	413	412	411	408	1	7 09	419	12 30	397	22
10			✓	411	413	412	413	415	414	417	422	424	426	428	419	403	393	396	407	416	415	414	415	415	414	413	413	414	1	10 20	429	13 44	390	39
11				412	412	413	413	415	415	415	419	416	408	409	404	402	406	416	416	415	414	415	416	414	414	414	414	413	0	7 30	420	11 45	401	19
12	✓			414	413	412	413	414	414	417	422	424	420	416	409	396	395	399	405	407	407	407	412	413	413	413	413	411	0	8 02	425	12 54	392	33
13	✓			414	414	414	414	415	414	415	413	407	402	400	399	405	411	411	416	417	414	415	416	416	417	417	416	412	0	16 20	419	11 30	398	21
14				414	414	414	415	415	413	415	419	417	424	430	427	428	430	429	415	409	409	410	412	413	413	415	414	417	0	13 10	432	16 40	408	24
15				414	414	413	415	414	415	410	407	401	401	405	403	404	411	(420)	420	420	419	421	420	418	418	419	415	413	1	19 10	421	8 58	397	24
16			✓	415	415	417	415	417	418	422	430	431	417	420	426	429	430	441	450	439	431	422	422	423	421	419	417	424	1	15 10	454	9 30	413	41
17			✓	417	419	419	420	421	420	421	423	423	424	428	429	425	427	433	431	424	418	417	417	417	418	419	420	422	1	15 07	434	0 12	416	18
18			✓	420	419	421	424	425	423	421	422	418	409	412	415	420	432	440	434	427	421	420	420	420	421	421	421	422	1	14 05	444	9 40	407	37
19				421	421	421	422	424	424	423	430	434	426	421	421	433	453	465	460	446	433	422	421	421	421	421	421	429	1	14 30	468	11 14	419	49
20				423	423	424	426	425	425	423	421	420	421	422	425	430	437	442	443	441	432	428	426	425	424	421	422	427	1	15 12	444	9 00	418	26
21				422	423	422	423	425	426	426	431	433	436	435	423	419	421	438	443	429	422	421	422	422	421	422	422	426	0	15 18	447	12 48	418	29
22				423	422	423	424	426	427	426	422	421	418	413	414	419	419	425	419	417	422	419	421	420	422	422	424	421	0	5 30	427	10 58	411	16
23	✓			424	424	424	425	426	430	433	438	437	430	421	412	407	408	406	403	402	408	414	417	420	422	422	422	420	0	7 40	439	16 14	401	38
24	✓	✓		421	421	422	422	423	423	421	424	429	434	435	433	436	432	428	427	429	426	423	425	424	422	422	422	426	0	11 09	436	6 25	420	16
25			✓	421	421	422	424	426	427	425	427	426	424	419	406	410	417	418	413	413	414	415	420	421	418	419	419	419	1	7 50	429	11 50	401	28
26				420	421	420	421	425	425	428	435	436	437	440	437	429	427	427	428	422	420	421	422	422	421	422	423	426	1	10 40	441	2 40	419	22
27				422	422	422	423	424	425	428	441	448	450	452	443	437	435	435	430	423	419	420	422	420	419	420	420	429	0	10 10	455	17 40	418	37
28				421	422	424	425	426	426	427	431	430	426	427	429	423	421	418	416	415	416	420	422	424	424	425	425	423	0	8 09	434	15 30	415	19
29				424	424	424	424	424	424	428	439	440	441	446	441	431	427	426	425	421	418	419	422	422	422	422	423	427	1	10 20	447	17 10	418	29
30		✓		423	423	423	423	424	423	422	426	429	432	438	444	441	438	436	431	423	418	423	424	423	423	423	422	427	1	11 30	446	17 15	417	29
31				422	423	424	426	427	427	429	437	438	433	435	438	438	438	433	428	423	423	423	423	424	423	423	424	428	1	8 02	440	17 05	421	19
MEANS ALL DAYS				417	417	418	419	420	420	420	424	424	422	422	419	417	419	422	422	419	417	417	418	418	418	418	418	419						25
MEANS TEN DAYS ✲				415	415	415	416	417	417	418	422	421	419	417	413	409	411	413	414	414	414	414	416	416	415	415	415	416						21
MEANS FIVE DAYS (G. M. T.) †				417	417	417	418	419	419	418	422	422	422	422	421	422	420	420	420	420	417	414 417	416 418	416	417	417	417	419						
MEANS FIVE DAYS (G. M. T.) ‡				417	417	418	419	421	420	421	425	424	420	421	419	417	420	426	427	424	420	418	419	419	418	418	417	420						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 333

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				421	421	423	423	424	422	422	432	441	443	441	443	442	438	427	420	415	414	421	421	422	425	423	424	427	1	9 18	444	17 10	412	32
2				422	423	424	426	427	427	426	431	433	430	428	430	426	429	429	426	424	422	424	424	423	421	421	422	426	1	8 26	434	23 56	419	15
3				419	421	423	425	425	426	426	432	434	429	430	431	430	435	438	436	428	422	421	423	423	423	424	424	427	0	14 50	440	0 03	419	21
4				423	422	423	424	425	424	421	424	421	416	411	406	407	413	426	432	430	426	425	425	422	422	423	423	421	0	15 50	433	11 20	405	28
5	✓			422	423	424	424	425	425	423	425	424	422	421	421	424	430	438	439	436	430	427	427	426	425	424	424	426	0	15 20	440	10 30	419	21
6	✓	✓		424	424	425	425	427	427	423	421	425	428	429	424	417	416	416	419	426	425	423	424	424	424	424	424	424	0	10 40	430	12 45	415	15
7				424	424	425	427	429	431	429	433	434	431	427	423	418	416	418	419	421	418	421	423	423	421	422	423	424	0	7 31	436	13 18	414	22
8	✓			423	424	426	425	426	427	425	431	433	433	429	424	423	423	419	415	413	416	420	424	426	426	427	427	424	0	9 01	434	16 20	412	22
9	✓			427	426	426	426	427	429	428	430	430	431	429	425	421	423	424	428	423	422	422	423	423	424	424	424	426	0	9 16	432	12 29	421	11
10	✓	✓		426	426	425	426	427	428	424	430	433	429	429	430	428	423	423	421	422	420	422	423	424	426	427	427	426	0	8 02	436	17 30	420	16
11	✓			427	427	426	427	427	428	426	426	428	428	428	428	425	420	419	419	418	419	422	426	427	427	427	427	425	0	5 30	429	16 00	417	12
12		✓		426	426	426	426	427	427	424	425	424	425	425	429	431	434	428	423	419	417	420	423	424	423	422	422	425	0	13 31	435	17 15	417	18
13			✓	424	424	424	424	427	427	422	418	420	423	425	435	444	446	436	423	418	419	423	424	423	420	425	422	426	2	13 29	450	7 48	413	37
14			✓	422	423	425	425	428	428	431	433	433	434	434	437	443	445	434	430	422	416	422	425	425	425	425	425	429	1	13 27	446	17 47	415	31
15			✓	424	424	424	425	426	428	428	430	429	426	423	419	418	422	424	422	418	418	422	424	422	424	423	423	424	1	7 20	431	12 30	416	15
16				424	424	424	426	428	427	423	424	426	425	422	421	423	430	430	422	419	422	428	428	428	427	428	428	425	0	14 01	433	16 05	418	15
17				430	429	427	427	429	429	424	427	430	(434	431)	425	428	429	424	420	424	425	425	427	428	427	426	427	427	1	9 25	435	15 25	418	17
18				427	428	429	429	429	429	425	425	428	428	428	426	425	422	419	417	417	419	425	429	427	427	427	427	426	0	5 24	430	16 36	416	14
19	✓			427	427	428	430	432	432	426	427	427	426	422	423	428	431	429	423	421	418	421	422	424	424	425	427	426	0	5 05	433	17 35	418	15
20	✓	✓		429	430	432	432	432	432	425	419	419	416	406	402	404	405	410	413	415	422	423	427	428	428	427	427	421	0	5 08	433	11 30	401	32
21	✓	✓		429	431	432	431	429	430	428	430	433	435	433	432	434	440	443	433	426	421	424	428	428	428	427	428	431	0	14 27	446	17 30	420	26
22	✓			429	430	430	431	431	430	426	423	423	424	422	423	425	423	417	408	410	415	422	426	427	428	429	429	424	0	3 50	431	15 31	407	24
23				429	430	430	431	432	433	430	430	429	431	430	427	426	425	431	430	426	423	426	426	425	427	429	429	429	0	5 10	434	17 20	422	12
24			✓	425	424	426	430	431	430	425	432	431	436	431	424	423	426	431	430	426	424	429	431	430	427	427	427	428	1	9 28	439	1 18	420	19
25			✓	427	429	429	431	431	431	427	427	426	433	437	440	440	443	436	419	415	413	412	419	422	426	426	428	428	1	13 30	445	17 50	411	34
26				428	428	427	428	430	429	425	424	421	418	419	426	425	431	435	425	418	420	424	428	428	428	428	429	426	1	14 20	437	9 50	415	22
27				429	429	428	430	429	429	425	424	421	420	417	417	416	417	415	416	417	416	421	424	426	427	426	426	423	1	3 01	432	14 20	413	19
28				426	426	426	428	428	428	425	421	418	408	416	417	418	421	424	419	414	413	419	424	424	424	423	424	421	0	5 28	430	9 22	407	23
29																																		
30																																		
31																																		
MEANS ALL DAYS				425	426	426	427	428	428	425	427	428	427	426	425	425	427	427	423	421	420	423	425	425	425	425	426	425						21
MEANS TEN DAYS ✲				426	427	427	428	428	429	425	426	428	427	425	423	423	423	424	422	421	421	423	425	426	426	426	426	425						19
MEANS FIVE DAYS † (G. M. T.)				427	427	428	428	428	429	425	425	427	427	424	423	423	424	424	422	422	421	423 425 / 422 425		426	426	425	426	425						
MEANS FIVE DAYS ‡ (G. M. T.)				424	425	426	427	429	429	427	428	428	430	430	431	434	436	432	425	420	418	422	426	425	424	426	425	427						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 384

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1931 — MARCH 1931

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				425	425	425	425	426	426	421	418	414	413	417	418	416	417	416	408	404	408	417	421	422	422	422	422	419	0	5 10	427	16 33	404	23
2				422	421	422	423	423	422	417	416	414	412	410	413	415	421	418	418	414	415	419	421	422	422	422	421	418	1	4 48	424	10 23	409	15
3				421	424	424	426	425	423	421	420	421	420	417	411	412	417	421	419	415	416	420	423	424	424	424	424	420	1	3 10	427	12 05	407	20
4	✓			424	425	425	426	426	424	421	422	422	419	419	420	422	424	424	417	415	415	421	424	423	424	423	424	422	0	4 58	426	16 18	414	12
5	✓			424	424	425	425	427	426	425	428	430	429	429	430	433	432	425	417	414	417	419	421	419	420	422	424	424	0	13 00	434	16 40	413	21
6	✓	✓		425	425	426	426	427	428	430	433	431	426	420	411	409	412	417	421	422	423	422	423	423	423	423	424	423	0	7 29	434	12 20	408	26
7				425	425	426	427	429	429	429	432	433	434	433	428	418	414	411	413	416	417	419	422	423	424	423	424	424	0	9 42	435	14 10	411	24
8				423	424	425	426	427	426	426	435	440	440	435	431	429	422	419	419	421	423	423	423	425	425	425	425	427	1	8 50	442	14 25	417	25
9				427	426	426	426	427	427	429	440	448	450	450	444	444	443	436	427	424	422	423	425	426	426	426	426	432	1	10 01	453	17 05	422	31
10				426	426	427	428	429	430	429	429	428	426	422	422	426	425	423	420	417	418	420	420	421	422	422	424	424	1	5 10	431	11 11	415	16
11	✓	✓		422	424	424	425	426	427	428	433	437	438	441	442	444	445	440	432	422	418	419	421	423	423	423	422	429	0	13 36	447	17 20	417	30
12			✓	424	424	425	426	427	427	425	424	424	421	419	417	414	412	412	409	409	413	418	421	423	424	424	421	420	1	3 50	428	15 01	406	22
13			✓	423	424	426	427	429	427	426	431	431	427	425	426	429	425	418	418	418	418	419	422	422	422	425	424	424	1	7 41	433	16 55	417	16
14			✓	424	426	428	428	428	426	425	426	427	429	431	429	432	433	426	419	417	417	421	424	425	424	426	426	426	1	13 40	434	16 50	415	19
15	✓			425	426	427	428	429	429	425	424	425	423	420	418	417	419	418	415	416	417	421	422	422	423	424	424	422	0	5 21	429	15 45	414	15
16	✓			424	425	426	427	427	427	428	429	427	425	425	425	422	422	(424)	424	421	423	426	427	427	427	428	429	426	0	7 47	430	16 30	419	11
17				429	431	432	433	434	434	434	435	433	431	428	422	416	414	411	414	415	418	421	423	423	425	426	426	425	0	6 44	435	14 20	410	25
18	✓	✓		428	429	430	431	431	431	430	434	436	435	435	437	439	437	433	429	426	428	429	429	428	428	428	428	431	0	12 35	439	16 09	425	14
19	✓	✓		429	430	431	433	434	433	432	435	435	432	429	429	424	420	422	423	424	428	429	428	428	430	430	430	429	0	7 10	435	13 20	420	15
20				431	431	432	433	434	433	433	437	441	439	437	436	434	428	423	421	421	425	427	427	430	431	430	430	431	1	7 59	441	14 30	423	18
21			✓	429	431	432	433	433	434	434	439	443	442	441	435	424	416	412	413	419	425	424	426	427	428	429	430	429	1	8 12	446	14 20	411	35
22				432	432	433	434	434	434	434	435	437	434	429	422	419	420	425	424	424	424	426	428	429	431	431	429	429	0	8 20	438	12 20	419	19
23				429	431	431	431	433	433	433	432	433	434	437	437	431	429	425	422	422	426	429	428	428	428	430	432	430	0	11 05	440	15 02	422	18
24				432	432	433	433	433	433	434	439	441	439	435	433	430	425	423	424	429	430	429	428	429	430	433	433	432	0	7 50	441	14 40	423	18
25				432	432	433	436	432	434	435	436	435	433	430	428	425	422	420	418	422	428	428	426	427	430	431	431	429	0	3 18	438	15 05	417	21
26			✓	431	431	432	432	433	433	432	438	440	443	447	448	446	439	432	431	433	430	429	430	430	432	431	432	435	1	11 50	449	18 10	428	21
27				431	431	432	433	433	433	432	434	435	433	431	430	431	427	426	427	429	429	430	432	430	432	431	432	431	0	8 50	437	14 25	425	12
28				432	432	433	433	434	433	433	431	428	427	425	425	427	426	420	417	417	422	427	429	429	431	431	430	428	0	4 30	434	16 00	415	19
29				429	430	431	432	433	432	431	430	430	426	426	429	432	431	430	428	426	428	428	429	429	429	430	430	430	0	4 30	433	10 09	424	9
30	✓	✓		430	431	432	432	432	432	429	427	426	427	428	431	435	436	432	429	429	430	431	431	431	431	431	430	431	0	13 30	437	8 55	426	11
31	✓			431	432	433	433	434	434	432	425	421	418	418	416	420	418	415	413	420	427	428	430	429	430	430	431	426	0	5 00	435	14 58	412	23
MEANS ALL DAYS				427	428	429	429	430	430	429	431	431	430	429	427	426	425	422	420	420	422	424	425	426	426	427	427	427						19
MEANS TEN DAYS ✱				426	427	428	429	429	429	428	429	429	427	426	426	426	426	425	422	421	423	424	426	425	426	426	427	426						18
MEANS FIVE DAYS (G. M. T.) †				427	428	429	429	430	430	430	432	433	432	431	430	430	430	429	427	425	425	423 426	424 426	424	425	426	426	428						
MEANS FIVE DAYS (G. M. T.) ‡				426	427	429	429	430	429	428	432	433	432	433	431	429	425	420	418	419	421	422	423	425	426	427	426	427						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 385

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1931

APRIL 1931

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	431	432	433	434	433	433	431	430	427	424	425	428	433	428	430	436	433	431	430	428	428	430	431	431	430	0	15	05 437	9	38 423	14
2				432	432	433	433	433	433	433	434	433	431	429	428	429	431	430	431	430	432	432	430	430	430	431	431	431	0	4	40 434	11	15 428	6
3			✓	431	431	433	433	433	433	432	427	422	413	405	403	402	402	398	403	437	423	427	427	427	428	430	430	422	1	5	55 434	14	05 396	38
4				431	431	432	433	433	433	435	439	440	440	439	439	437	434	428	428	432	431	430	428	428	430	431	433	433	0	8	10 441	15	20 426	15
5	✓			433	434	434	434	435	435	436	442	442	438	434	431	431	427	419	416	420	425	428	429	430	429	430	430	431	0	7	40 443	15	30 415	28
6	✓	✓		431	432	433	434	434	434	439	451	458	462	465	462	455	450	439	429	428	429	430	429	431	431	431	431	440	0	10	30 465	16	05 425	40
7	✓			431	433	434	435	436	434	437	444	446	446	449	452	450	444	435	427	428	430	430	429	430	432	432	432	436	0	11	20 452	15	40 427	25
8				431	431	433	433	433	432	432	433	434	433	435	438	436	434	428	420	418	422	427	428	430	432	432	431	431	0	11	50 439	16	05 417	22
9				432	432	433	434	434	434	432	434	432	432	425	428	435	437	427	421	422	426	429	429	429	428	428	424	430	1	13	35 438	15	41 421	17
10			✓	432	431	431	434	435	434	432	431	435	437	436	438	442	437	432	424	419	424	428	429	429	431	430	430	432	1	12	27 443	16	28 418	25
11				432	433	433	434	433	433	432	430	434	437	440	437	440	442	440	428	423	425	428	429	431	431	432	432	433	1	13	30 443	16	20 421	22
12	✓	✓		433	433	435	435	435	435	435	440	445	447	446	447	451	444	433	426	424	426	430	431	431	432	433	433	436	0	12	28 452	16	25 423	29
13	✓	✓		434	435	435	435	435	435	436	437	434	431	426	428	437	435	426	422	425	428	430	431	432	433	433	433	432	0	7	05 439	15	10 421	18
14	✓	✓		433	432	433	435	435	435	433	432	430	429	423	420	425	425	426	425	425	427	430	430	431	432	433	435	430	0	4	40 435	11	10 418	17
15				433	433	434	434	434	435	435	437	435	431	424	417	421	422	417	416	418	425	429	429	430	430	431	432	428	1	7	20 437	14	55 415	22
16				433	435	435	436	435	436	(436)	435	436	435	432	433	437	437	433	427	425	427	428	429	430	431	431	432	433	0	12	55 440	16	10 424	16
17				433	435	435	436	437	437	435	431	429	425	423	423	426	431	428	417	418	426	428	429	430	430	428	430	429	0	5	30 437	15	55 415	22
18				433	434	434	435	434	434	432	432	431	432	437	439	438	441	440	434	430	430	430	429	430	432	432	433	434	1	13	45 443	19	25 428	15
19			✓	433	433	433	434	435	436	437	440	438	432	425	415	411	416	422	418	423	429	430	430	431	435	437	431	429	1	7	10 440	12	20 409	31
20			✓	434	436	438	435	437	440	439	441	436	431	425	424	424	426	427	430	432	429	430	430	431	432	433	433	432	1	7	18 442	12	22 422	20
21				434	435	435	436	436	435	435	433	432	429	426	423	428	435	438	437	434	433	435	434	433	432	434	433	433	0	14	08 441	11	20 422	19
22				433	435	436	436	436	435	434	434	435	437	434	432	433	433	436	438	439	435	433	432	433	434	434	435	435	1	15	56 441	11	46 430	11
23				436	436	436	437	436	436	433	432	430	429	431	430	430	432	435	434	433	431	432	432	434	435	435	436	433	0	4	55 437	9	40 428	9
24	✓			437	437	437	437	437	437	433	433	429	425	423	422	425	432	440	442	441	437	436	435	435	436	436	435	434	0	15	53 444	11	45 422	22
25				435	436	436	437	438	437	436	436	438	439	440	439	439	438	432	430	431	431	432	434	436	438	439	437	436	1	10	25 442	15	35 429	13
26				437	436	438	438	436	437	438	435	429	425	422	424	428	429	428	431	431	430	432	433	435	435	436	436	432	0	0	01 438	10	15 422	16
27	✓			436	435	435	435	436	438	437	431	423	420	424	430	437	438	437	432	429	431	432	432	433	434	434	435	433	0	5	59 438	9	30 420	18
28	✓			436	436	437	437	437	437	438	438	437	437	439	442	445	446	443	437	430	429	431	(433)	434	435	435	434	437	1	13	09 448	16	38 428	20
29	✓	✓		435	435	436	436	436	437	435	431	428	423	427	429	437	442	435	430	427	428	431	431	432	436	434	435	433	0	13	40 442	9	25 423	19
30				436	436	436	436	435	436	435	432	425	418	418	423	430	440	435	422	419	425	429	431	432	433	434	434	430	0	14	02 441	10	00 415	26
31																																		
MEANS ALL DAYS				433	434	435	435	435	435	435	435	434	432	431	431	433	434	431	427	427	428	430	430	431	432	433	433	432						20
MEANS TEN DAYS #				434	434	435	435	436	436	436	438	437	436	436	436	439	438	433	429	428	429	431	431	432	433	433	433	434						24
MEANS FIVE DAYS † (G. M. T.)				433	433	434	435	435	435	436	438	439	438	437	437	441	439	432	426	426	428	429 430	431 430	432	432	433	432	434						
MEANS FIVE DAYS ‡ (G. M. T.)				432	433	434	434	435	435	434	434	432	427	423	422	422	422	422	422	429	427	429	430	430	431	432	430	429						

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 386

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1931 — MAY 1931

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				437	437	437	437	437	437	434	425	416	411	414	420	427	431	434	431	428	429	431	432	431	434	434	435	430	0	6 05	438	9 50	411	27
2				434	435	436	438	438	438	437	434	428	420	417	418	419	425	434	433	431	433	433	434	436	436	437	436	432	0	3 18	439	10 12	415	24
3	✓			435	436	435	437	437	439	440	443	444	442	440	440	441	439	440	438	436	435	433	433	434	435	436	436	438	0	7 55	444	19 10	432	12
4	✓			436	437	438	438	439	439	441	447	451	452	452	452	455	453	440	431	428	432	435	435	437	437	437	437	441	0	12 50	457	16 01	427	30
5				439	439	441	441	442	442	441	439	437	434	434	437	434	433	429	427	428	432	435	436	438	440	440	439	437	0	5 45	443	15 07	426	17
6			✓	440	441	441	444	442	441	445	451	449	445	441	438	443	445	446	439	434	435	436	437	439	435	435	429	440	1	7 50	453	23 01	428	25
7			✓	440	440	440	442	442	444	450	454	451	445	444	438	432	431	422	419	423	430	434	435	436	437	437	438	438	1	7 28	457	15 30	418	39
8				438	438	439	439	441	441	443	447	446	438	430	424	416	415	418	422	427	431	434	435	436	438	439	439	434	0	7 55	449	12 55	413	36
9	✓	✓		439	439	439	439	439	441	442	446	449	446	440	439	437	435	433	427	426	430	434	435	437	438	438	438	438	0	8 40	451	15 50	425	26
10	✓	✓		439	440	441	441	441	441	441	445	444	445	445	447	452	446	433	430	432	434	437	438	440	441	441	442	441	0	12 45	454	15 30	429	25
11				444	443	444	444	444	443	446	446	440	436	436	434	435	435	437	439	437	438	439	440	441	441	441	441	440	1	7 10	447	11 30	433	14
12				444	442	443	444	445	445	446	444	444	444	444	442	448	455	452	442	433	435	439	440	441	442	441	441	443	1	13 50	457	16 35	431	26
13			✓	443	444	445	446	446	446	448	449	445	440	440	438	431	431	431	422	426	435	439	440	441	443	443	444	440	1	7 20	450	15 50	419	31
14			✓	446	446	446	446	447	446	447	450	450	447	447	445	437	436	431	431	430	434	438	441	446	442	441	442	442	1	8 00	452	16 20	429	23
15			✓	445	442	446	446	444	445	446	441	434	438	438	436	435	439	438	435	431	435	438	439	441	441	441	442	440	1	2 35	448	16 20	430	18
16				444	445	443	443	444	445	445	444	444	441	443	441	438	438	435	431	433	436	438	438	441	443	443	443	441	1	0 49	446	15 50	430	16
17				444	444	444	444	445	445	448	449	443	437	430	426	425	428	424	424	427	435	438	440	441	440	442	442	438	0	6 50	450	14 27	423	27
18				442	442	444	445	445	445	445	440	436	433	433	433	438	443	447	443	438	440	442	443	443	444	444	445	441	1	14 30	448	[11 30	432	16
19	✓			446	446	448	447	447	447	449	448	445	441	(434)	425	430	441	445	441	437	438	439	441	443	443	444	444	442	0	6 10	449	11 20	423	26
20				444	445	445	446	446	447	446	442	437	432	428	430	427	433	432	431	431	436	440	441	444	444	444	444	439	0	5 40	448	12 24	425	23
21	✓			443	444	445	445	447	447	449	450	445	437	428	423	424	434	439	436	435	440	442	443	444	444	444	445	441	0	7 00	451	11 40	423	28
22	✓	✓		444	445	445	445	447	447	446	445	436	434	429	430	433	436	437	438	439	442	443	442	444	444	444	446	441	0	4 25	448	11 00	429	19
23	✓	✓		446	446	446	447	447	446	448	454	454	448	443	444	447	448	449	448	447	443	443	443	444	445	446	446	447	0	8 00	456	11 10	442	14
24	✓			445	446	447	447	447	448	449	446	446	449	447	444	450	456	453	443	442	444	445	446	448	447	447	448	447	1	13 46	457	15 45	441	16
25				447	447	447	447	447	449	450	449	450	452	447	442	439	431	429	426	433	439	444	446	446	446	446	445	444	1	9 30	453	15 15	425	28
26				445	444	445	447	449	448	451	449	445	442	433	427	431	434	438	433	433	437	442	445	447	448	448	448	442	1	6 40	452	11 29	427	25
27				448	447	447	448	448	449	450	446	444	441	440	442	436	434	440	440	435	440	443	443	445	446	447	447	444	0	6 11	452	13 00	432	20
28	✓	✓		446	446	447	447	448	449	450	446	442	439	435	432	433	438	443	442	438	442	443	443	445	446	447	448	443	0	6 12	453	11 30	431	22
29				447	448	448	448	448	450	454	451	441	429	421	423	423	423	425	428	432	438	441	443	444	445	445	445	439	1	6 33	455	10 54	419	36
30				445	447	448	448	448	448	451	455	451	446	443	450	456	462	465	456	446	445	446	446	447	448	448	448	450	1	14 15	469	10 15	443	26
31				446	447	448	448	449	449	453	451	444	441	438	435	434	425	424	432	438	442	444	445	446	447	447	447	442	0	6 40	453	13 55	423	30
MEANS ALL DAYS				443	443	443	444	444	445	446	446	443	440	437	435	436	437	437	434	433	437	439	440	441	442	442	442	440						24
MEANS TEN DAYS *				442	442	443	443	444	444	446	447	446	443	439	438	440	443	441	437	436	438	439	440	442	442	442	443	442						22
MEANS FIVE DAYS (G. M. T.) †				443	443	444	444	444	445	445	447	445	442	438	438	440	441	439	437	436	438	439 440 / 440 440		441	442	442	443	442						
MEANS FIVE DAYS (G. M. T.) ‡				443	443	444	445	444	444	447	449	446	443	442	439	436	436	434	429	429	434	437	439	441	440	440	439	440						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 337

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1931 — JUNE 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				447	448	448	449	449	451	452	453	451	454	453	451	447	437	435	435	437	438	444	448	449	448	449	448	447	1	9 30	455	15 04	433	22
2			✓	448	451	452	451	456	452	455	463	456	446	442	437	438	433	432	435	441	445	446	446	448	450	448	449	447	1	7 30	464	12 10	429	35
3				449	448	449	451	450	451	452	448	443	441	444	446	445	440	440	441	441	445	446	447	449	449	449	449	446	0	6 05	452	13 40	438	14
4	✓			447	449	450	450	450	450	453	455	452	447	444	442	446	448	449	448	445	444	445	445	447	448	448	448	448	0	7 24	456	11 30	442	14
5	✓	✓		448	448	448	450	450	451	451	445	440	437	432	432	431	436	441	446	441	440	443	444	446	447	447	447	443	0	6 12	453	11 28	431	22
6				447	447	448	448	448	449	452	453	453	450	449	448	452	454	452	443	440	441	442	443	444	445	444	444	447	0	13 58	457	16 33	439	18
7				445	446	446	447	447	450	450	447	443	440	444	442	437	434	439	436	433	437	441	442	442	443	443	444	442	0	6 25	450	13 10	431	19
8				444	444	445	445	444	445	446	445	446	445	442	444	441	435	430	427	430	434	440	440	441	440	444	438	441	1	22 27	447	15 09	426	21
9			✓	442	447	443	446	447	445	448	452	452	453	451	447	445	444	447	443	439	440	443	444	445	445	446	445	446	1	8 40	455	16 20	438	17
10				446	449	444	447	448	447	448	446	441	435	433	436	439	448	449	443	441	441	442	442	443	442	443	445	443	1	14 10	452	10 50	432	20
11				447	447	447	446	446	446	446	444	444	442	442	449	452	455	455	445	434	437	440	441	444	446	447	446	445	1	13 55	456	16 48	433	23
12				448	447	447	448	447	447	449	449	445	444	441	436	435	432	435	438	437	440	443	444	445	446	446	446	443	1	6 51	451	13 10	432	19
13				445	445	448	448	447	447	448	447	443	442	447	452	450	447	446	442	443	444	445	446	446	447	447	448	446	1	11 24	453	9 20	441	12
14	✓			447	447	447	447	448	448	448	448	446	443	440	443	442	440	441	444	446	446	447	447	448	448	447	449	446	0	23 30	450	13 30	439	11
15	✓	✓		448	448	448	448	448	450	453	450	442	436	430	428	430	429	428	444	443	444	446	447	447	448	448	448	443	0	6 37	453	14 05	423	30
16		✓		448	447	449	449	449	449	451	457	456	455	457	457	457	451	442	442	441	446	449	449	450	450	450	449	450	0	7 44	458	14 35	440	18
17	✓	✓		451	451	451	452	452	453	454	453	451	451	446	443	443	449	452	452	445	444	449	450	449	450	452	452	450	0	6 42	455	11 55	442	13
18	✓			453	453	453	453	454	454	454	452	448	448	446	444	446	448	446	448	446	447	450	452	452	453	453	453	450	0	6 51	455	11 05	442	13
19	✓			453	454	454	457	456	456	457	460	460	457	456	460	459	456	453	446	443	448	452	453	453	455	455	455	454	0	7 59	462	16 15	442	20
20				455	455	456	456	456	456	457	459	457	456	459	464	469	473	470	459	453	452	454	454	455	454	455	455	458	1	13 18	473	17 20	448	25
21				455	455	456	455	455	456	457	460	459	463	470	470	468	463	462	464	459	453	454	453	454	454	455	455	459	1	10 55	470	17 20	452	18
22				455	454	455	456	457	458	461	465	464	457	447	451	457	461	461	454	447	447	451	453	454	455	456	455	455	1	7 40	466	10 38	445	21
23				455	456	456	457	456	456	456	457	457	454	455	(453)	450	452	454	449	448	450	451	454	454	454	454	454	454	0	8 20	459	15 55	446	13
24	✓			454	455	455	456	456	457	458	454	446	441	443	444	444	446	448	454	456	453	454	454	455	455	455	455	452	0	6 40	459	9 20	440	19
25	✓	✓		455	455	456	455	456	458	458	458	459	455	456	458	462	457	452	445	444	447	448	451	452	452	453	454	454	0	12 50	463	16 40	443	20
26			✓	455	455	455	455	455	456	458	457	456	463	475	477	474	457	444	441	434	438	450	453	452	451	453	452	455	1	12 16	480	16 33	433	47
27			✓	454	455	456	456	455	457	459	459	455	451	450	455	457	457	450	444	446	450	451	451	451	452	455	453	453	1	7 04	462	15 55	442	20
28			✓	454	456	456	455	454	456	458	457	453	449	447	445	444	445	445	436	436	442	450	454	454	454	455	454	450	1	6 40	459	16 00	435	24
29				455	455	455	456	455	456	459	457	445	440	444	442	445	446	443	443	445	448	448	451	452	452	453	454	450	0	6 38	460	9 48	439	21
30	✓			455	454	454	455	455	455	455	452	444	440	443	451	459	454	448	447	445	449	451	451	451	452	452	452	451	0	12 30	462	9 30	439	23
31																																		
MEANS ALL DAYS				450	451	451	451	452	452	453	453	450	448	448	448	449	448	446	444	443	444	447	448	449	449	450	450	449						20
MEANS TEN DAYS ✲				451	451	452	452	452	453	454	453	449	446	444	444	446	446	446	447	445	446	448	449	450	451	451	451	449						18
MEANS FIVE DAYS † (G. M. T.)				450	450	450	451	451	452	453	453	450	447	444	444	445	444	443	446	443	444	448 448 447 448		449	450	450	450	448						
MEANS FIVE DAYS ‡ (G. M. T.)				451	453	452	453	453	453	456	458	454	452	453	452	452	447	444	440	439	443	448	449	449	449	451	449	450						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 383

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1931 — JULY 1931

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				452	455	454	455	455	455	458	454	450	444	449	456	460	455	448	448	442	446	448	449	450	451	452	453	452	0	12 24	461	16 40	441	20
2				453	453	454	454	454	456	459	455	445	437	433	440	449	449	439	438	443	446	452	452	453	453	453	453	449	1	6 24	459	10 25	432	27
3				453	453	454	454	454	456	457	450	443	436	433	438	439	444	445	441	444	448	450	451	453	452	451	452	448	1	6 27	459	10 40	432	27
4				452	451	452	454	454	454	456	456	451	448	446	448	448	449	455	451	447	450	451	452	453	453	452	453	452	0	6 18	458	10 40	445	13
5	✓			454	454	454	455	455	455	455	456	457	458	458	454	455	449	441	441	441	445	450	453	452	453	453	453	452	0	9 55	461	14 12	439	22
6	✓			454	455	455	455	455	455	458	456	452	446	444	445	448	450	447	444	445	449	451	450	451	454	455	454	451	0	6 17	458	11 20	442	16
7	✓			454	455	455	456	455	455	458	458	454	451	449	447	453	453	447	439	443	448	451	451	453	454	454	454	452	0	6 55	460	15 30	438	22
8	✓			454	455	454	454	454	454	454	453	453	449	443	436	435	438	440	435	439	445	450	451	453	454	453	454	448	0	2 09	456	15 30	434	22
9	✓	✓		453	454	454	454	454	454	454	455	452	452	451	452	453	449	445	448	448	450	451	452	453	454	454	454	452	0	7 35	456	14 10	445	11
10	✓	✓		454	454	454	454	454	454	456	453	448	440	436	437	431	422	419	433	443	448	450	451	452	452	453	452	446	0	6 40	456	14 10	416	40
11				452	452	451	452	453	453	454	451	447	444	438	442	444	432	431	437	444	451	453	453	454	455	456	454	448	1	22 40	458	13 42	428	30
12				454	456	456	456	455	455	454	453	447	441	443	448	446	438	440	444	446	451	452	452	453	454	452	454	450	1	2 10	457	13 20	436	21
13				451	454	454	455	455	455	457	458	456	458	454	451	450	445	444	446	449	451	451	452	453	454	455	455	453	0	7 20	459	14 50	443	16
14				455	456	455	455	456	458	456	463	463	461	459	447	431	436	442	440	443	449	453	453	455	455	454	457	452	1	7 35	465	12 30	426	39
15				456	456	455	459	455	456	458	458	454	448	444	440	440	437	434	441	445	451	454	454	455	454	455	455	451	0	3 20	460	14 24	433	27
16				455	456	457	456	457	457	460	460	461	(463)	459	456	459	450	442	442	444	452	455	456	456	458	458	458	455	0	7 00	462	14 40	442	20
17				458	459	459	459	461	460	461	461	458	455	450	452	455	453	454	456	453	453	456	458	458	458	459	458	457	0	6 23	464	10 42	449	15
18				460	459	459	458	461	461	461	461	456	450	447	445	446	445	446	450	454	460	459	459	459	459	459	458	456	0	4 20	462	11 42	444	18
19	✓	✓		460	461	461	462	462	461	460	459	458	455	454	450	448	454	459	454	450	453	456	456	456	458	458	459	457	0	3 55	462	12 12	446	16
20	✓	✓		460	460	460	460	460	460	462	470	470	464	461	460	454	450	450	456	453	453	456	459	459	459	459	460	459	0	8 10	471	14 15	448	23
21	✓	✓		461	460	461	462	462	462	462	461	462	462	463	461	453	447	450	451	452	454	457	458	459	460	459	460	458	0	10 55	465	13 30	446	19
22				461	462	462	463	463	464	465	466	460	459	462	459	453	446	448	451	451	454	458	459	460	460	463	461	459	0	7 35	466	13 30	446	20
23			✓	461	462	462	463	463	462	464	467	468	460	457	448	433	437	437	451	455	457	457	459	460	461	460	460	457	1	8 09	472	12 24	430	42
24			✓	461	461	460	460	462	462	462	461	457	458	462	464	454	446	447	451	451	451	456	457	457	459	460	460	457	1	11 25	466	13 42	444	22
25			✓	458	460	460	460	461	464	464	466	459	458	457	461	458	449	444	442	449	451	453	457	456	457	459	461	457	1	7 12	467	15 13	439	28
26			✓	459	461	460	461	463	462	462	461	458	454	454	451	452	446	445	450	456	458	458	458	458	459	460	460	457	1	4 36	463	13 43	443	20
27				461	461	462	461	461	462	463	462	460	461	457	451	452	445	445	452	453	457	459	460	461	461	462	463	458	0	6 25	464	13 53	442	22
28			✓	463	464	465	464	466	466	466	466	467	470	468	462	462	458	456	460	465	466	463	464	466	465	463	464	464	1	9 30	472	14 30	455	17
29				466	464	464	464	465	466	466	468	467	465	460	460	461	463	468	468	463	459	460	460	461	464	463	463	464	1	14 40	469	10 55	458	11
30				462	464	465	465	464	466	467	469	466	456	450	455	456	449	450	456	459	460	461	461	463	463	464	464	461	1	7 05	470	13 40	448	22
31	✓			463	464	465	466	466	467	466	463	455	444	442	448	450	444	442	442	445	454	459	459	461	460	460	461	456	0	6 20	468	10 20	441	27
MEANS ALL DAYS				457	458	458	458	459	459	460	460	457	453	451	450	449	446	445	447	449	452	455	455	456	457	457	457	454						22
MEANS TEN DAYS ✻				457	457	457	458	458	458	458	458	456	452	450	449	448	446	444	444	446	450	453	454	455	456	456	456	453						22
MEANS FIVE DAYS † (G. M. T.)				458	458	458	458	458	458	459	460	458	455	453	452	448	444	445	448	449	452	454 454	455 455	456	457	457	457	454						
MEANS FIVE DAYS ‡ (G. M. T.)				460	462	461	462	463	463	464	464	462	460	460	457	452	447	446	451	455	457	457	458	459	460	461	461	458						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 389

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1931

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				462	463	464	464	464	466	468	473	475	475	466	463	467	455	449	451	459	462	463	461	462	462	462	459	463	1	9 00	480	14 38	448	32
2	✓	✓		462	464	465	465	466	467	467	466	465	459	449	450	452	447	447	453	457	458	461	462	463	462	462	462	460	0	5 40	467	14 00	443	24
3				465	468	465	466	467	468	469	466	461	454	447	445	444	441	448	451	453	458	461	463	463	464	464	465	459	1	1 30	470	13 00	439	31
4	✓			465	465	467	467	467	467	467	469	468	466	460	455	448	447	447	450	455	457	461	463	462	463	464	465	461	0	7 25	470	13 06	446	24
5	✓			465	465	466	467	468	469	468	464	462	456	457	455	450	449	452	451	452	458	463	464	464	465	466	466	461	0	6 12	471	13 40	449	22
6				467	468	468	468	468	469	471	476	480	483	477	475	467	457	459	466	467	465	466	465	467	468	468	469	469	0	9 00	483	13 42	455	28
7				468	469	470	470	471	471	472	474	472	468	469	472	471	462	458	460	462	463	465	465	466	469	471	469	468	1	7 45	476	14 44	457	19
8			✓	468	468	467	470	471	472	473	473	466	457	455	457	458	450	449	453	462	466	466	464	463	467	466	467	464	1	6 45	475	14 17	446	29
9			✓	468	470	468	469	471	470	473	470	468	459	456	460	459	458	455	456	459	464	469	470	471	471	471	471	466	1	6 39	474	15 20	452	22
10				471	470	471	472	472	473	473	474	476	478	483	483	475	460	455	456	462	467	468	468	471	472	472	470	470	1	10 58	486	14 50	454	32
11				469	471	472	473	474	474	473	473	471	468	466	466	465	460	455	459	465	468	468	470	471	471	470	471	468	1	4 10	475	14 25	455	20
12	✓	✓		471	472	471	472	472	473	474	474	474	468	464	461	456	460	464	468	471	471	471	469	469	471	471	471	469	0	6 40	475	12 10	456	19
13	✓			473	473	473	474	474	475	477	479	479	480	473	475	467	463	467	474	476	473	473	471	471	471	471	471	473	1	9 08	482	13 43	462	20
14	✓			471	473	473	474	475	475	475	473	469	458	456	457	456	456	456	460	465	471	474	472	472	472	472	473	468	0	6 12	477	10 00	455	22
15				475	475	476	476	478	479	482	481	476	470	468	471	473	470	467	468	471	472	475	475	475	476	476	474	474	0	6 48	482	14 22	467	15
16				475	476	478	480	482	482	481	482	479	474	470	470	473	476	476	472	472	473	474	475	476	478	478	478	476	1	7 02	483	11 05	468	15
17	✓	✓		478	478	479	479	480	481	482	483	484	482	476	470	467	475	483	475	475	474	476	477	478	479	479	479	478	0	14 16	485	12 00	465	20
18		✓		480	479	481	482	482	483	484	488	489	(485	488	481)	481	477	471	464	466	469	473	471	471	473	470	470	477	0	7 30	490	15 38	463	27
19				472	473	476	476	476	476	478	480	479	468	464	457	450	452	454	453	457	463	469	469	469	470	469	467	467	1	7 43	481	12 29	449	32
20			✓	467	468	467	469	471	473	477	479	476	476	469	466	467	467	462	457	456	462	464	466	467	468	469	468	468	1	7 20	482	15 05	456	26
21			✓	467	467	467	469	471	470	475	480	480	482	482	475	474	473	466	465	467	467	468	[470]	△					1	10 00	486	15 05	462	24
22																					△	468	△											
23													△	454	453	451	456	468	466	467	469	470	471	474	474	474	473		0						
24				472	473	476	476	478	478	480	478	475	474	473	471	468	469	473	474	471	469	470	471	474	471	476	473	473	1	6 10	481	12 40	465	16
25			✓	474	480	479	476	478	480	479	472	467	462	463	463	461	466	470	470	472	473	472	470	472	473	474	473	472	1	6 05	483	12 29	460	23
26				477	477	476	477	479	478	476	469	460	451	448	445	450	452	458	461	461	464	467	469	473	473	474	475	466	1	4 38	480	11 40	444	36
27				477	477	478	478	477	477	477	477	471	465	467	467	471	473	471	472	472	472	471	470	474	476	477	477	474	1	3 10	479	9 41	463	16
28				477	477	478	478	478	478	479	472	462	453	449	447	442	444	449	453	458	464	469	471	470	471	472	472	465	0	6 10	481	12 15	441	40
29	✓			472	472	473	474	475	474	475	474	476	480	481	486	487	470	463	464	466	469	472	472	473	473	474	474	474	0	12 14	491	14 12	462	29
30	✓	✓		474	474	475	475	476	476	478	475	469	462	457	457	457	461	462	460	458	463	467	468	469	470	471	472	468	0	6 10	479	10 15	456	23
31	✓			472	472	472	474	474	474	475	476	474	470	465	460	459	458	463	465	464	467	469	469	470	470	470	472	469	0	7 40	477	12 59	456	21
MEANS ALL DAYS a)				471	472	472	473	474	474	475	475	472	468	465	464	462	460	460	461	464	466	468	469	470	470	471	470	469						a) 24
MEANS TEN DAYS ✲				470	471	471	472	473	473	474	473	472	468	464	463	460	459	460	462	464	466	469	469	469	470	470	470	468						22
MEANS FIVE DAYS † (G. M. T.)				473	473	474	475	475	476	477	477	476	471	467	464	463	464	465	464	465	467	471 470	471 469	472	473	473	472	471						
MEANS FIVE DAYS ‡ (G. M. T.)				469	471	470	471	472	473	475	475	471	467	465	464	464	463	460	460	463	466	468	467	468	469	470	469	468						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Twenty-eight days only, omitting incomplete days August 21, 22 and 23

TABLE 390

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1931 SEPTEMBER 1931

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			471	471	472	473	473	474	475	474	468	457	446	445	445	449	451	450	449	456	463	466	466	467	468	470	462	0	6 40	475	12 10	445	30
2	✓	✓		470	470	471	471	473	473	477	481	482	479	477	474	471	467	463	463	463	464	467	467	469	470	470	470	471	0	8 12	484	16 40	462	22
3				471	471	472	473	471	475	474	473	469	462	459	464	461	460	458	458	461	463	465	465	464	464	468	466	466	1	5 31	475	14 30	457	18
4			✓	466	469	469	470	471	474	472	470	466	458	449	442	445	449	448	448	453	458	463	465	467	466	466	466	461	1	6 01	475	11 30	441	34
5				467	470	469	470	472	473	473	470	465	461	458	458	458	462	457	451	450	458	465	464	463	465	464	465	464	1	6 09	475	16 08	449	26
6			✓	468	469	470	471	470	471	471	470	465	460	456	455	451	443	440	441	447	458	463	467	467	468	464	464	461	1	7 00	473	14 25	435	38
7				466	468	470	469	469	470	471	472	467	460	454	455	454	452	452	455	458	461	464	465	465	467	467	465	463	1	6 53	473	13 13	451	22
8				467	466	467	469	468	471	471	470	463	457	452	452	452	454	461	461	459	462	463	463	463	464	462	463	462	1	6 55	472	11 30	452	20
9				464	467	467	467	469	469	472	468	462	456	456	454	455	456	459	457	456	459	463	464	464	465	465	465	462	1	6 40	473	12 12	451	22
10				467	468	468	469	468	470	467	463	462	463	462	461	455	450	448	451	454	458	463	463	462	463	463	463	462	1	5 24	470	14 03	447	23
11	✓			464	464	465	466	466	469	471	471	470	470	470	469	472	461	449	446	450	457	460	460	461	463	464	465	463	1	12 20	473	15 13	445	28
12	✓			466	467	467	469	469	469	467	464	461	457	460	465	468	462	455	452	454	460	464	464	465	466	466	467	464	0	4 15	469	15 40	451	18
13	✓			466	468	467	468	468	470	470	469	467	464	458	459	459	458	456	459	459	461	464	465	466	465	465	466	464	0	5 16	470	14 29	455	15
14				468	467	468	470	470	470	473	473	470	469	468	477	480	472	466	465	464	465	466	465	464	463	464	466	468	1	12 35	482	16 50	463	19
15			✓	467	468	468	468	470	471	473	471	468	458	452	451	450	438	438	442	448	455	461	462	464	460	463	463	460	1	6 28	474	13 40	436	38
16			✓	468	466	468	468	470	471	476	471	462	453	445	444	443	(443	444)	446	454	461	466	470	470	469	469	465	461	1	6 36	477	[13 20	439	38]
17			✓	469	469	472	474	474	473	473	471	462	453	446	446	444	441	441	447	455	463	468	469	470	470	470	470	462	1	6 04	476	13 38	440	36
18	✓	✓		470	471	471	472	474	474	477	478	473	464	460	461	456	448	441	442	450	462	467	467	467	467	467	467	464	0	7 02	480	14 40	441	39
19	✓	✓		467	468	470	470	471	471	475	478	476	471	467	464	464	462	460	458	456	460	463	466	468	465	466	467	467	0	7 05	479	15 50	456	23
20				468	468	468	469	470	471	470	469	467	461	459	464	466	465	459	457	460	463	463	463	463	467	468	469	465	1	5 28	471	15 40	456	15
21				469	471	470	471	473	472	471	471	466	462	461	468	470	465	464	463	461	462	464	463	466	465	467	470	467	1	4 12	474	10 14	459	15
22				469	470	470	471	471	473	473	473	474	472	472	472	466	465	467	464	463	465	467	466	466	467	463	468	469	1	7 55	475	16 05	462	13
23				468	468	469	469	469	470	474	480	480	474	478	480	482	484	476	467	465	465	465	468	465	467	468	468	472	1	13 18	487	16 20	464	23
24				467	469	470	471	470	470	466	460	454	447	443	450	457	460	463	462	466	466	467	467	467	466	468	467	463	1	3 49	471	10 28	442	29
25				467	467	467	469	470	471	472	469	466	465	463	469	471	462	457	460	466	466	467	468	468	467	468	469	467	0	6 40	473	14 38	455	18
26				470	470	471	471	471	473	476	(479)	476	470	462	454	448	446	450	453	458	461	465	465	463	466	466	468	465	1	[7 —	479]	13 09	446	[33]
27	✓			470	469	471	471	472	471	471	470	468	466	465	461	456	454	456	461	465	466	468	468	468	469	470	471	467	0	3 50	472	13 50	453	19
28	✓	✓		471	471	471	472	473	474	476	474	468	461	455	450	447	452	456	458	458	463	468	468	469	471	470	472	465	0	6 25	477	12 30	447	30
29	✓	✓		472	472	473	473	475	475	477	484	483	484	484	484	473	470	474	476	471	470	469	470	471	472	471	471	475	0	7 50	485	13 01	467	18
30				472	471	473	474	474	476	476	480	480	481	491	487	476	466	463	463	461	462	467	466	469	467	469	471	472	1	10 19	492	16 12	461	31
31																																		
MEANS ALL DAYS				468	469	469	470	471	472	473	472	469	464	461	461	460	457	456	456	458	462	465	466	466	466	467	467	465						25
MEANS TEN DAYS ✻				469	469	470	470	471	472	474	474	472	467	464	463	461	458	456	456	458	462	465	466	467	468	468	469	466						24
MEANS FIVE DAYS † (G. M. T.)				470	470	471	472	473	473	476	479	476	472	469	467	462	460	459	459	460	464	467 467	468 468	468	469	469	470	468						
MEANS FIVE DAYS ‡ (G. M. T.)				468	468	469	470	471	472	473	471	465	456	450	448	447	443	442	445	451	459	464	465	465	464	466	465	461						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 391

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1931 — OCTOBER 193'

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				471	470	472	472	474	475	474	474	468	465	466	469	465	462	459	455	456	462	467	466	468	469	469	470	467	1	5 55	475	15 15	455	20
2			✓	471	472	473	473	474	476	476	478	473	471	465	463	460	460	465	467	466	468	471	469	471	471	470	471	470	1	7 30	480	12 20	459	21
3				470	471	472	474	475	475	474	472	466	458	453	450	445	449	450	453	456	464	469	468	469	469	470	471	464	1	5 58	476	12 28	444	32
4				470	471	471	473	474	472	472	469	465	462	462	467	459	455	454	463	473	472	471	472	468	468	465	467	467	1	4 40	474	14 02	452	22
5			✓	467	468	471	473	473	475	481	483	477	473	472	462	452	453	456	458	460	465	469	468	469	471	471	470	468	1	7 15	485	12 56	449	36
6	✓			470	470	471	472	473	472	478	482	479	472	468	465	462	459	455	456	457	461	466	469	468	469	469	469	468	1	7 40	483	14 22	455	28
7	✓			469	470	470	471	471	473	478	481	477	479	479	475	471	469	467	460	462	467	470	470	470	470	471	471	471	0	7 10	481	15 40	459	22
8	✓			469	470	471	473	473	473	471	470	468	467	464	457	451	452	454	452	453	463	468	469	469	470	469	468	465	0	4 57	474	12 11	449	25
9	✓	✓		469	470	472	473	473	472	471	471	468	463	462	454	447	449	451	455	459	465	469	469	469	470	471	471	465	0	5 10	473	12 30	445	28
10	✓	✓		472	472	472	473	474	475	473	471	465	461	460	460	453	454	455	459	463	466	468	469	469	469	470	471	466	0	5 12	476	12 23	450	26
11	✓	✓		472	472	472	473	474	475	477	478	475	471	470	471	475	476	474	474	473	471	469	467	468	468	470	470	472	0	7 05	479	19 55	467	12
12			✓	471	471	472	472	473	476	481	483	481	485	489	480	470	464	465	466	464	465	469	462	466	467	468	464	472	1	10 28	490	13 58	460	30
13				465	467	471	472	472	472	476	478	478	474	470	459	447	441	441	454	464	467	468	467	468	468	468	468	466	1	7 43	479	14 07	438	41
14				469	469	470	472	473	474	480	481	475	468	461	451	445	450	455	463	465	466	469	469	469	468	469	469	467	1	7 00	483	12 10	443	40
15	✓			469	469	469	471	472	474	481	480	473	471	467	461	456	464	466	464	462	464	467	466	467	466	468	468	468	1	6 54	485	12 11	454	31
16	✓	✓		468	467	468	471	471	472	471	471	472	473	478	480	477	474	467	(462	465)	465	464	464	466	469	469	465	470	0	11 05	480	[16 00	461	19]
17				465	469	471	471	473	475	475	476	475	476	474	465	460	462	461	457	461	472	477	476	475	474	473	472	470	1	7 12	477	15 35	455	22
18				471	471	473	473	474	475	473	480	478	478	476	470	463	461	449	445	456	467	472	473	473	473	472	472	470	1	7 34	483	15 08	443	40
19				473	473	473	474	476	475	478	479	476	477	477	474	468	466	460	459	461	467	472	472	473	474	474	474	472	1	7 05	480	14 50	459	21
20				473	473	474	474	475	475	476	479	483	491	493	488	479	471	460	459	461	465	473	473	474	473	474	473	475	1	9 57	494	14 50	459	35
21				472	473	475	475	478	478	473	471	473	477	478	479	476	472	467	462	463	466	470	470	471	472	472	472	472	1	11 25	482	16 20	461	21
22				472	473	473	474	475	474	468	469	470	472	473	470	466	464	465	464	468	471	477	475	475	475	475	475	471	1	4 45	476	15 05	462	14
23				474	475	476	476	475	474	472	473	474	474	468	467	465	467	465	460	462	468	473	474	476	474	473	473	471	1	3 25	478	15 20	459	19
24	✓			473	474	475	476	476	476	474	474	469	468	468	470	471	471	472	469	468	472	474	474	473	474	474	474	472	0	4 58	478	9 50	467	11
25	✓	✓		473	474	475	477	476	477	478	482	482	482	478	472	467	474	478	474	470	470	472	471	472	471	473	473	475	0	7 50	483	12 35	465	18
26				474	473	474	476	477	477	474	472	468	462	459	458	461	465	463	470	475	474	475	472	472	472	472	472	470	1	5 10	478	10 53	456	22
27				473	473	474	474	477	475	478	477	475	470	469	461	463	467	473	469	464	468	473	472	472	470	472	471	471	1	7 27	479	11 53	456	23
28				473	473	473	474	477	475	474	473	470	470	465	468	475	479	477	470	469	472	474	473	473	473	473	472	473	1	13 50	479	10 55	460	19
29			✓	473	474	474	475	475	474	483	501	502	507	502	487	480	469	464	459	459	465	473	474	474	470	470	468	477	2	10 14	514	15 52	455	59
30			✓	467	472	472	473	477	478	485	487	481	483	484	480	478	476	471	465	465	472	474	474	473	472	472	472	475	2	7 01	489	16 10	463	26
31				471	471	473	474	477	479	477	471	468	468	470	471	461	454	454	453	458	466	472	472	472	471	471	472	469	1	5 20	480	15 25	451	29
MEANS ALL DAYS				471	471	472	473	474	475	476	477	474	473	472	468	463	463	462	461	463	467	471	470	471	471	471	471	470						26
MEANS TEN DAYS ✲				470	471	472	473	473	474	475	476	473	471	469	466	463	464	464	462	463	466	469	469	469	470	470	470	469						22
MEANS FIVE DAYS (G. M. T.) †				471	471	472	473	474	474	474	475	472	470	470	467	464	465	465	465	466	467	469 468	469 468	469	470	470	470	470						
MEANS FIVE DAYS (G. M. T.) ‡				470	471	472	473	474	476	481	486	483	484	482	474	468	464	464	463	463	467	471	470	470	470	469	469	472						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 392

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1931 — NOVEMBER 1931

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			473	473	474	475	476	476	478	476	476	478	475	465	451	452	454	456	461	467	471	473	473	473	473	473	470	0	6 40	479	12 30	450	29
2				472	473	474	474	476	476	479	482	481	478	481	485	480	479	473	466	466	469	473	474	474	474	472	472	475	1	11 20	488	15 53	464	24
3				470	470	473	474	478	478	478	481	482	484	484	482	478	482	482	476	472	473	473	473	470	470	471	470	476	1	10 39	486	0 20	469	17
4				470	471	474	475	475	476	484	487	490	495	496	498	490	482	474	470	467	472	474	474	474	473	473	473	479	1	10 30	500	16 10	467	33
5			✓	472	473	470	473	474	475	476	481	489	486	484	475	470	472	468	468	468	475	475	475	473	474	472	473	475	1	8 31	490	16 10	466	24
6			✓	473	472	473	474	475	475	473	472	474	477	473	468	469	470	465	465	466	472	476	473	474	475	473	473	472	1	9 20	478	14 40	463	15
7				473	473	474	473	475	475	474	475	477	478	473	473	471	470	468	465	464	471	474	474	474	473	474	471	473	1	9 35	479	16 28	463	16
8			✓	474	472	473	474	477	477	475	473	472	477	480	482	482	478	474	470	469	473	478	475	473	473	473	473	475	1	12 00	487	16 23	468	19
9				473	474	474	475	475	473	474	476	477	477	472	468	463	462	462	463	467	470	473	473	475	474	474	473	472	1	9 30	478	14 25	461	17
10				471	471	473	475	478	475	478	481	481	477	472	473	474	476	475	468	468	471	475	474	474	473	472	472	474	1	6 55	481	15 40	466	15
11	✓			471	472	474	475	475	475	474	472	472	471	469	469	468	469	470	471	473	474	474	474	474	474	474	474	472	0	5 10	476	11 00	466	10
12	✓	✓		474	474	475	475	476	478	480	481	482	479	477	474	470	468	467	465	467	470	475	473	472	470	469	469	473	0	8 20	485	15 38	464	21
13				470	470	470	472	474	475	479	481	481	478	477	474	471	469	464	467	468	470	473	473	472	471	471	471	473	1	7 56	482	14 12	464	18
14				471	471	473	474	475	476	477	480	484	487	484	484	476	471	466	465	469	473	476	475	475	476	473	473	475	1	9 10	488	15 33	464	24
15				473	474	475	475	476	475	476	477	481	487	485	478	471	471	472	473	471	471	474	475	476	476	476	475	476	1	9 26	489	12 33	469	20
16			✓	474	475	476	477	478	477	476	480	483	480	479	477	469	462	(462	464)	468	471	474	475	474	473	473	474	474	1	8 51	488	13 15	461	27
17				473	473	473	475	475	475	475	476	476	474	472	472	466	462	461	466	467	470	473	475	476	476	476	475	472	1	8 17	479	14 19	459	20
18				472	474	475	477	477	477	477	483	488	486	483	481	477	475	470	469	469	472	476	476	476	476	476	475	477	1	8 46	491	14 50	469	22
19				474	474	474	475	477	475	479	486	492	492	486	482	474	470	464	464	466	469	474	478	478	478	478	478	477	1	8 30	493	14 02	464	29
20				476	477	477	477	478	474	479	485	487	488	490	492	486	485	480	477	473	473	477	477	477	477	477	477	480	1	11 21	495	17 00	472	23
21	✓	✓		477	478	479	480	481	477	478	483	490	493	494	492	486	486	487	484	481	480	481	483	483	482	482	481	483	0	10 00	495	5 54	474	21
22	✓	✓		480	(480	480)	480	482	479	479	482	485	485	489	490	490	493	489	483	477	477	480	480	480	480	480	479	482	0	13 50	495	16 50	474	21
23	✓			478	478	478	479	480	477	472	471	469	464	467	476	479	482	474	468	464	470	477	479	477	477	477	477	475	0	13 10	485	9 20	461	24
24	✓			478	478	479	478	479	479	482	487	487	487	496	506	499	495	491	480	476	476	480	480	479	478	477	476	483	0	11 30	509	16 50	473	36
25				475	477	479	479	480	478	472	472	474	475	479	476	469	468	471	469	467	470	477	479	478	475	475	475	475	1	4 45	480	13 00	466	14
26			✓	473	474	475	475	476	475	471	470	476	471	480	486	475	464	461	464	464	469	474	472	471	473	475	471	472	1	11 03	491	13 57	459	32
27				471	472	Δ						Δ	477	476	473	471	471	470	474	473	474	477	476	475	475	475	475		1			12 00	470	
28	✓	✓		475	476	477	479	481	479	479	486	483	480	478	474	471	474	473	474	472	475	478	478	478	478	476	476	477	1	7 38	487	12 30	469	18
29	✓			474	476	477	480	481	477	474	476	482	481	480	476	471	471	473	473	476	478	479	477	478	477	476	475	477	0	8 40	484	12 20	470	14
30	✓	✓		474	476	478	479	481	479	482	486	486	480	472	466	464	463	466	469	473	476	479	480	480	480	480	478	476	0	7 55	488	13 10	462	26
31																																		
MEANS ALL DAYS a)				474	474	475	476	477	476	477	479	481	481	480	479	474	473	471	469	469	472	476	476	475	475	475	474	475						22 a)
MEANS TEN DAYS ✻				475	476	477	478	479	478	478	480	481	480	480	479	475	475	474	472	472	474	477	478	477	477	476	476	477						22
MEANS FIVE DAYS † (G. M. T.)				476	477	478	479	480	478	480	484	485	483	482	479	476	477	476	475	474	476	478 478 479 479	477 477	477	477	477	476	478						
MEANS FIVE DAYS ‡ (G. M. T.)				473	473	473	475	476	476	474	475	479	478	479	478	473	469	466	466	467	472	475	475	475	474	474	473	474						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-nine days only, omitting incomplete day November 27

TABLE 393

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1931

DECEMBER 1931

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				478	477	479	478	482	481	483	482	484	483	484	486	486	483	484	480	476	478	479	476	476	476	479	479	480	1	12 05	489	20 00	474	15
2			✓	478	478	479	480	480	480	479	483	484	483	482	488	481	477	474	474	475	480	478	477	476	476	476	476	479	1	11 23	489	14 28	472	17
3			✓	478	474	476	477	479	479	483	488	487	481	482	483	485	478	472	469	470	475	477	478	478	479	476	475	478	1	7 23	492	15 56	468	24
4			✓	477	478	478	480	482	480	484	487	489	495	498	509	501	491	484	480	474	474	479	479	478	478	479	479	484	1	11 18	514	16 33	473	41
5			✓	478	478	479	479	480	482	481	479	480	477	481	480	475	475	472	472	473	477	479	481	481	481	480	478	478	1	6 44	484	14 50	470	14
6				477	478	479	479	480	478	479	484	492	487	482	481	479	480	481	475	472	475	481	479	478	478	479	479	480	1	8 58	493	16 25	471	22
7	✓			479	480	481	481	483	481	480	480	477	479	481	482	479	477	479	476	474	476	479	482	480	480	480	480	479	1	4 10	483	16 10	474	9
8	✓			480	480	480	481	482	480	476	476	475	476	478	479	480	481	479	474	470	474	480	480	481	481	481	480	478	0	4 40	483	16 30	469	14
9	✓			480	480	480	480	481	481	482	484	482	478	474	469	471	476	480	479	480	479	482	481	480	479	476	476	479	0	7 20	485	12 10	466	19
10				474	475	475	479	480	480	478	478	476	473	477	478	477	476	473	471	473	476	479	480	479	479	479	479	477	1	5 16	481	15 40	471	10
11			✓	479	479	480	481	479	480	482	488	486	481	483	484	484	486	481	485	485	478	481	481	479	479	477	477	481	1	7 53	491	22 40	477	14
12				478	479	479	480	481	479	483	494	490	483	477	476	471	473	467	473	475	478	479	481	480	479	479	478	479	1	7 20	495	14 11	467	28
13				479	478	478	480	482	482	486	489	484	470	467	466	465	469	473	472	472	476	480	482	481	480	480	479	477	1	7 14	490	12 20	463	27
14				478	478	479	481	482	481	483	487	489	483	481	476	474	471	471	470	472	476	479	482	481	481	480	479	479	1	8 11	491	14 55	470	21
15				479	479	480	481	483	482	483	484	475	468	465	459	459	459	464	468	471	478	483	481	481	481	480	480	475	1	7 01	485	11 32	458	27
16				479	479	479	481	(481	482)	487	496	494	492	485	474	472	471	468	470	475	479	481	486	484	481	483	481	481	1	7 50	499	14 20	465	34
17				479	480	481	482	482	481	483	488	490	491	496	499	501	496	482	476	478	481	482	483	483	482	483	484	485	1	12 00	505	15 10	475	30
18	✓			482	482	483	483	484	482	485	496	503	504	502	503	495	495	493	487	484	483	486	487	486	485	485	485	489	1	9 10	508	5 48	481	27
19	✓	✓		485	484	484	485	486	485	492	501	500	496	497	488	476	469	468	471	467	474	482	485	484	484	485	484	484	0	8 04	502	16 10	467	35
20	✓	✓		485	485	486	486	486	483	487	491	488	490	489	489	482	476	479	479	482	482	486	485	485	485	485	485	485	0	7 20	492	13 08	474	18
21	✓	✓		485	485	485	484	483	482	482	486	482	476	474	477	475	471	463	462	467	475	483	483	483	483	483	481	479	0	7 50	488	15 18	461	27
22	✓			480	482	482	483	485	483	485	489	488	482	482	477	480	488	490	485	479	478	481	482	482	482	482	482	483	1	13 56	492	11 38	476	16
23				481	482	483	483	483	483	485	488	489	488	489	488	489	487	488	484	484	(487)	486	483	481	481	482	481	485	1	13 50	490	22 27	480	10
24				481	481	482	482	483	481	480	484	487	490	490	487	485	485	486	482	480	480	483	485	483	482	482	480	483	0	9 15	491	16 55	479	12
25				481	478	479	482	483	483	485	490	490	484	479	484	475	475	481	481	475	478	482	483	483	483	483	482	482	1	7 45	492	12 46	472	20
26	✓	✓		484	484	485	486	486	486	491	502	509	512	505	492	485	484	490	495	487	487	487	486	486	485	485	486	490	0	9 19	513	12 55	481	32
27	✓	✓		485	485	486	486	486	485	485	489	492	494	494	493	488	479	475	478	479	481	482	482	482	482	482	482	485	0	10 20	496	14 29	474	22
28				483	484	483	485	486	487	486	484	478	474	470	463	458	463	472	472	474	477	482	484	483	482	481	479	478	1	5 22	488	12 18	456	32
29				480	480	482	485	485	486	493	496	494	491	485	478	472	479	479	480	481	480	480	480	480	479	479	479	483	1	8 40	500	12 02	469	31
30				479	480	481	483	485	486	487	494	497	494	492	493	490	482	476	477	483	480	480	482	483	482	483	482	485	1	8 50	500	14 50	474	26
31				481	483	483	483	484	485	482	487	489	484	481	484	485	482	484	483	475	478	482	485	484	485	485	484	483	1	8 25	489	16 25	474	15
MEANS ALL DAYS				480	480	481	482	483	482	484	488	488	485	484	483	480	479	478	477	476	478	481	482	481	481	481	480	481						22
MEANS TEN DAYS ✱				482	483	483	484	484	483	484	489	490	489	488	485	481	480	480	479	477	479	483	483	483	483	482	482	483						22
MEANS FIVE DAYS (G. M. T.) †				485	485	485	485	485	484	487	494	494	494	492	488	481	476	475	477	476	480	485 484	485 484	485	484	485	484	485						
MEANS FIVE DAYS (G. M. T.) ‡				478	477	478	479	480	480	482	485	485	483	485	489	485	481	477	476	475	477	479	478	477	478	478	478	480						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 394

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1932 — JANUARY 1932

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				285	282	280	280	281	277	271	277	293	302	313	319	322	311	304	295	287	286	289	292	295	293	291	288	292	1	12 30	326	6 07	269	57
2			✓	282	286	278	270	272	273	271	273	287	300	305	310	320	306	295	283	287	291	291	296	297	295	292	290	290	1	12 58	325	3 38	266	59
3				281	279	277	277	281	282	280	290	299	307	316	332	325	303	284	277	277	279	287	292	292	291	289	287	291	1	11 40	338	16 18	275	63
4	✓			284	280	279	280	282	279	271	276	283	287	302	313	308	292	284	283	277	281	287	287	287	286	285	283	286	0	11 28	315	6 20	270	45
5	✓			280	278	276	274	273	273	272	282	292	297	310	317	307	300	287	275	270	270	281	289	289	289	287	282	285	0	11 07	321	17 40	268	53
6	✓			278	275	272	270	272	269	260	272	290	308	319	314	306	303	298	289	275	273	278	286	288	290	290	284	286	1	10 48	324	6 30	257	67
7				282	278	275	275	273	268	257	267	283	307	327	328	303	287	276	275	286	281	287	292	291	292	290	287	286	1	11 15	336	6 30	256	80
8				283	272	272	278	277	274	265	276	293	308	322	332	335	314	298	288	283	280	284	290	291	292	291	286	291	1	12 14	341	6 35	263	78
9				281	277	277	275	273	269	261	262	272	282	301	315	306	289	281	277	280	283	287	292	293	295	290	287	284	0	11 52	321	6 45	257	64
10				283	282	278	276	277	272	271	282	297	302	319	325	327	317	311	297	283	281	282	283	287	291	289	282	291	1	12 18	332	5 28	266	66
11				283	271	271	278	279	279	267	262	274	288	303	313	310	301	300	306	298	293	287	293	289	289	288	283	288	1	12 02	319	7 05	258	61
12				283	278	273	271	275	277	271	276	287	292	304	315	313	302	291	283	278	280	282	288	292	284	285	285	286	1	12 04	324	3 42	267	57
13				283	279	276	278	292	281	270	267	268	278	298	323	329	322	316	308	300	293	288	288	284	285	284	281	290	0	12 51	333	8 27	265	68
14				280	278	277	276	277	274	267	274	279	280	292	301	298	299	289	278	278	284	288	283	283	285	285	282	283	0	11 22	304	6 35	262	42
15				279	273	274	268	275	280	275	279	288	(298	304)	299	281	279	284	288	288	293	291	289	293	290	287	283	285	1	[11 04	309]	3 33	267	[42]
16				280	279	276	275	276	274	276	288	298	306	313	309	308	288	273	272	273	279	279	284	283	283	283	282	285	1	11 33	318	15 51	267	51
17	✓			279	274	275	276	277	280	273	278	285	293	308	315	311	304	302	297	288	292	289	286	286	284	283	279	288	0	11 52	318	6 50	271	47
18	✓	✓		277	273	273	273	275	276	273	282	285	287	293	300	303	294	271	263	263	271	278	282	283	283	283	280	280	0	12 42	308	16 03	258	50
19	✓	✓		277	276	276	276	277	274	262	274	289	302	311	311	291	297	304	285	273	283	283	285	287	287	286	281	285	0	11 20	316	6 30	261	55
20	✓	✓		276	275	273	272	274	275	273	283	290	293	294	301	287	271	249	243	257	275	283	284	285	285	282	278	277	0	11 42	303	15 00	241	62
21	✓	✓		276	273	272	269	269	267	262	275	289	298	302	300	288	277	281	288	287	282	283	283	282	282	279	275	281	0	10 50	303	6 12	260	43
22	✓	✓		273	271	269	268	267	267	268	280	293	292	293	299	291	273	249	232	240	261	279	283	283	283	280	277	274	0	11 30	302	15 55	230	72
23	✓			274	273	270	268	267	263	258	275	300	309	308	299	285	274	279	277	272	274	283	285	284	284	282	279	280	0	9 21	313	6 10	255	58
24				273	269	264	264	263	260	253	269	288	303	313	309	304	291	270	263	269	285	291	294	289	286	283	(283)	281	1	12 10	320	6 40	251	69
25			✓	[284]	▽						▽	(304)	327	327	319	327	344	321	300	282	283	284	286	285	285	286	284		1	13 40	350			
26			✓	279	273	269	263	262	256	253	263	278	292	305	315	307	284	264	265	277	290	294	294	296	291	288	283	281	0	11 55	319	6 30	250	69
27			✓	275	269	264	265	262	263	261	276	294	304	312	303	303	304	314	296	290	290	297	304	300	294	289	283	288	1	10 31	322	4 56	258	64
28			✓	277	274	269	263	268	268	266	259	265	293	308	305	312	307	281	264	268	283	286	290	289	286	285	280	281	1	10 58	318	8 00	252	66
29				276	273	267	265	267	269	263	275	295	308	316	324	333	328	304	285	280	283	282	286	287	284	281	280	288	0	12 29	336	6 38	259	77
30				279	276	273	269	269	269	264	268	281	294	300	303	294	274	244	244	267	284	289	289	288	287	284	279	278	0	11 39	307	15 00	237	70
31				275	270	268	267	264	263	264	274	289	294	300	306	315	315	306	289	280	281	280	284	283	283	282	279	284	1	12 35	319	5 25	259	60
MEANS ALL DAYS a)				279	276	273	272	273	272	267	274	287	297	307	312	307	297	286	279	278	282	286	288	289	288	286	282	285						a) 60
MEANS TEN DAYS ✲				277	275	274	273	273	272	267	278	290	297	304	307	298	288	280	273	270	276	282	285	285	285	284	280	282						55
MEANS FIVE DAYS † (G. M. T.)				276	274	273	272	272	272	268	279	289	294	299	302	292	282	271	262	264	274	283 281	284 283	285	284	283	279	280						
MEANS FOUR DAYS ‡ (G. M. T.) b)				278	276	270	265	266	265	263	268	282	297	308	308	310	300	288	277	280	288	292	294	294	291	288	284	285						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Thirty days only, omitting incomplete day January 25 b) Omitting incomplete Greenwich day January 25

TABLE 395

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1932 — FEBRUARY 1932

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			276	275	273	270	269	268	261	264	271	286	302	307	302	295	280	265	268	278	285	284	283	281	281	279	279	0	11	41 310	6	30 260	50
2		✓		277	274	272	269	268	267	272	290	295	294	287	285	290	305	309	288	283	283	284	285	287	284	285	285	284	0	14	05 315	6	05 267	48
3			✓	279	277	272	270	271	272	268	269	277	281	297	305	301	295	289	283	276	279	288	291	295	294	287	287	283	1	11	59 314	7	11 263	51
4			✓	283	275	271	271	273	273	267	277	296	310	310	312	322	327	320	299	281	275	279	284	287	285	281	278	289	1	13	21 330	6	20 263	67
5				275	271	270	269	270	271	271	279	288	290	299	295	289	277	265	260	265	277	284	283	284	285	285	284	279	1	10	39 306	15	40 258	48
6				277	275	275	273	273	272	265	276	294	295	291	289	283	282	286	294	294	291	285	285	286	284	283	282	283	1	8	49 300	6	21 262	38
7				276	278	276	275	274	272	267	269	277	280	287	300	302	292	285	277	270	270	274	279	282	283	282	282	280	0	11	30 307	6	40 264	43
8				280	275	272	272	275	274	265	267	281	301	307	313	315	313	315	309	301	291	284	283	284	283	281	279	288	0	14	12 321	6	59 260	61
9				280	277	275	271	272	275	270	268	275	284	285	293	304	308	296	276	268	276	277	284	285	285	284	280	281	0	13	21 310	16	05 264	46
10			✓	278	278	272	273	277	275	266	265	275	289	305	321	312	317	320	316	303	290	286	283	284	284	283	282	289	1	11	21 328	7	00 260	68
11			✓	281	280	278	275	273	273	262	260	273	285	291	304	315	311	311	298	286	285	287	[288]	△					0	12	55 319	[6	55 256	63]
12												△	301	315	322	317	298	290	284	279	280	279	283	284	282	282	279			11	54 328			
13				277	271	271	272	273	275	268	277	291	296	300	305	302	297	289	282	275	272	273	277	281	281	281	278	282	0	11	37 306	6	43 265	41
14	✓			280	278	276	277	280	278	269	269	278	288	289	295	294	291	286	290	291	288	281	278	283	284	283	283	283	0	11	59 298	7	08 263	35
15	✓			279	276	275	275	275	275	269	265	271	281	292	296	293	292	295	299	298	295	286	284	282	280	278	278	283	0	11	27 299	7	22 262	37
16	✓	✓		278	278	275	275	279	279	274	272	275	279	(285	290)	286	284	282	281	279	278	277	276	278	279	276	274	279	0	[10	58 291]	7	27 270	[21]
17	✓	✓		275	275	274	273	275	275	271	270	276	284	290	294	298	298	296	289	288	288	284	278	279	279	278	276	282	0	12	55 300	7	05 268	32
18	✓			274	270	268	269	269	269	261	263	273	283	289	293	292	295	293	287	285	279	276	278	278	277	277	274	278	0	14	07 297	6	50 258	39
19				273	272	271	271	269	271	263	266	279	293	311	315	307	299	293	283	279	274	274	273	274	277	274	272	281	0	11	24 320	6	54 258	62
20				265	261	261	252	251	257	253	259	273	292	300	298	297	294	294	286	278	272	276	278	278	279	278	275	275	1	10	14 309	3	59 242	67
21				274	272	267	265	265	261	259	265	280	290	294	289	282	283	281	279	272	265	272	277	278	276	277	275	275	0	10	10 295	6	35 256	39
22				273	265	263	258	261	265	260	272	292	304	309	313	310	293	280	271	268	269	272	277	276	278	278	279	279	1	10	30 319	4	16 253	66
23			✓	279	278	276	275	274	272	266	267	278	292	308	313	309	307	303	297	283	278	279	283	282	282	279	276	285	1	11	03 324	7	00 265	59
24				271	266	268	268	268	262	250	259	279	299	311	319	306	294	293	284	275	273	275	278	279	279	276	270	279	1	11	25 324	6	48 248	76
25				265	267	269	269	270	269	258	264	283	295	303	304	295	290	285	279	276	273	277	278	278	276	273	273	278	0	11	05 310	6	40 255	55
26	✓			274	272	268	268	268	266	256	258	267	285	300	301	292	289	290	286	279	274	275	275	276	276	277	275	277	0	11	30 307	6	40 253	54
27	✓	✓		274	272	269	269	271	270	259	257	265	274	287	296	295	296	294	288	276	270	271	274	274	274	273	272	276	0	11	20 299	7	00 256	43
28	✓	✓		269	270	269	269	268	266	257	252	253	259	274	280	292	297	297	288	269	264	269	274	275	275	274	272	272	0	13	36 299	7	13 251	48
29	✓			271	270	269	269	269	269	263	261	263	264	273	284	289	290	293	289	275	266	269	273	274	276	276	273	274	0	14	30 295	7	01 259	36
30																																		
31																																		
MEANS ALL DAYS a)				275	273	271	270	271	270	264	267	278	288	296	300	298	296	293	286	280	277	278	280	281	281	279	278	280						a) 49
MEANS TEN DAYS *				275	274	272	271	272	272	264	263	269	278	288	294	293	293	291	286	281	278	277	277	278	278	277	276	278						40
MEANS FIVE DAYS (G. M. T.) †				275	274	272	271	272	271	267	268	273	278	285	289	292	296	296	287	279	277	279 277	279 277	279	278	277	276	279						
MEANS FIVE DAYS (G. M. T.) ‡				280	278	274	273	274	273	266	268	280	291	302	311	312	311	309	299	286	281	284	284	285	285	283	283	286						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

a) Twenty-seven days only, omitting incomplete days February 11 and 12

TABLE 396

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1932 — MARCH 1932

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		271	269	267	267	269	268	257	254	258	261	271	278	279	279	277	284	280	275	275	274	275	276	275	274	271	0	15 35	286	6 49	252	34
2				271	266	264	262	261	259	249	246	251	255	259	264	266	272	275	274	275	274	276	276	277	279	277	275	267	1	21 50	283	6 58	243	40
3				276	275	273	281	278	273	268	272	263	269	272	269	271	277	281	281	280	277	276	278	279	279	275	276	275	1	14 20	285	8 30	256	29
4				276	273	271	273	272	274	269	273	280	289	293	296	291	285	281	277	276	277	280	279	273	279	278	279	279	1	11 08	304	7 08	268	36
5				277	278	274	273	271	273	269	268	271	274	282	281	273	275	279	276	271	269	276	279	279	279	278	276	275	1	10 18	286	17 48	265	21
6				275	272	274	273	275	275	274	273	279	288	293	297	296	294	291	284	281	275	277	279	279	277	276	275	280	1	11 37	301	7 38	269	32
7				274	273	272	275	275	272	263	260	265	275	282	281	288	278	279	278	274	274	277	284	282	278	274	273	275	1	12 22	294	7 42	257	37
8				269	273	272	273	272	271	264	263	271	280	285	283	278	269	264	261	261	269	275	277	276	274	275	276	272	1	10 15	291	16 00	257	34
9				273	272	271	270	272	270	266	265	272	283	295	298	298	292	284	274	271	267	274	275	269	274	275	276	276	1	11 33	308	7 22	259	49
10			✓	275	278	274	275	274	272	272	271	284	293	307	307	304	292	292	279	272	274	276	276	275	274	275	278	281	1	10 34	319	5 30	266	53
11				278	273	275	275	274	269	261	259	267	283	296	301	295	295	291	284	279	278	275	274	274	276	276	276	278	1	11 33	304	7 10	257	47
12				275	272	271	269	269	271	271	269	274	278	283	285	283	284	282	275	275	277	279	278	279	277	277	276	276	0	13 05	286	7 28	266	20
13				274	268	266	267	269	270	267	269	274	277	279	283	283	281	272	264	264	265	270	273	271	272	274	269	272	0	12 55	285	15 40	260	25
14	✓			269	272	273	274	276	274	266	264	259	263	271	277	284	285	285	280	275	274	275	274	273	273	272	272	273	1	12 46	287	8 53	254	33
15	✓	✓		270	269	269	270	271	272	264	262	265	273	285	292	296	302	297	284	274	268	271	271	272	272	273	270	276	0	13 45	303	7 03	260	43
16	✓	✓		268	267	268	270	271	273	266	263	264	268	271	(278)	287	288	283	277	272	270	271	270	270	271	272	272	272	0	12 59	292	7 40	259	33
17	✓			270	270	270	271	274	275	268	267	272	279	285	289	292	297	295	281	268	268	269	269	268	270	272	268	275	0	13 37	300	7 00	263	37
18				266	261	262	265	265	268	261	260	270	274	283	288	294	296	300	287	277	273	275	278	278	274	271	268	275	1	14 40	305	7 20	253	52
19	✓			265	267	271	271	273	274	272	274	280	282	283	286	284	286	288	282	273	272	273	271	271	270	270	269	275	0	11 32	292	0 20	264	28
20				268	266	266	267	268	272	270	272	280	276	277	275	283	287	284	283	278	274	271	270	269	272	272	270	274	0	13 23	291	1 00	265	26
21				267	262	260	262	265	269	265	268	273	275	278	284	284	283	279	280	280	278	278	278	277	278	272	270	274	1	13 13	292	2 00	255	37
22				265	262	258	260	266	265	267	274	284	283	288	286	280	283	278	277	272	270	273	273	272	274	275	272	273	1	10 23	295	2 40	251	44
23	✓			267	264	264	262	264	264	263	267	276	284	283	282	279	275	265	261	262	265	271	273	271	271	270	269	270	0	10 42	287	15 00	259	28
24	✓			267	267	268	267	267	266	260	263	271	279	287	294	297	288	277	273	269	267	267	270	271	272	272	270	273	0	11 53	300	6 52	257	43
25	✓	✓		267	265	264	266	267	267	263	266	271	275	283	291	291	283	275	268	265	266	267	267	267	268	267	267	271	0	12 00	296	7 10	262	34
26	✓	✓		266	266	266	265	267	269	270	274	280	284	291	297	298	293	286	275	270	266	267	267	267	267	267	267	274	0	11 50	300	2 57	264	36
27				265	265	264	265	267	268	270	273	276	282	290	301	301	287	273	262	258	263	267	265	267	273	273	269	273	0	12 08	304	16 10	257	47
28			✓	269	267	267	268	271	270	265	264	267	264	275	277	284	274	268	272	276	277	275	265	268	267	271	272	271	1	10 48	294	9 17	258	36
29			✓	272	272	272	272	271	273	273	272	274	282	285	284	283	279	270	268	268	269	273	272	272	271	272	271	274	1	10 40	293	15 50	263	30
30			✓	266	263	270	272	273	276	273	272	273	272	267	273	277	281	277	267	265	266	267	263	267	274	270	272	271	1	13 18	285	19 37	255	30
31			✓	262	264	271	267	276	283	272	262	269	273	272	279	279	272	267	269	272	276	276	276	274	271	272	271	272	1	5 25	287	0 50	251	36
MEANS ALL DAYS				270	269	269	269	270	271	266	266	271	277	282	286	286	284	280	275	272	271	273	273	273	274	273	272	274						36
MEANS TEN DAYS *				268	268	268	268	270	270	265	265	270	275	281	286	289	288	283	276	271	269	271	271	270	271	271	270	273						35
MEANS FIVE DAYS † (G. M. T.)				268	267	267	268	269	270	264	264	268	272	280	287	290	289	284	278	272	269	270 270	271 270	271	272	272	270	273						
MEANS FIVE DAYS ‡ (G. M. T.)				269	269	271	271	273	275	271	268	273	277	281	284	285	280	275	271	271	272	273	268	269	272	272	272	273						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 397

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1932 — APRIL 1932

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M	MAXIMUM	MINIMUM H M	MINIMUM	RANGE
1				271	270	267	270	266	269	276	281	283	286	284	282	281	271	266	267	271	273	270	263	267	270	270	270	273	1	9 38	289	19 34	258	31
2			✓	271	269	268	265	272	275	278	280	280	281	277	275	273	271	268	266	272	270	272	271	270	271	270	271	272	1	9 30	283	13 32	261	22
3				270	273	272	272	269	275	279	277	278	280	281	283	283	270	262	262	258	261	267	266	266	267	266	266	271	1	12 26	290	17 00	256	34
4				265	264	267	270	271	271	271	271	264	262	259	260	259	261	267	274	272	264	258	270	266	267	269	269	266	1	16 10	276	18 47	252	24
5				269	270	271	270	272	278	280	281	282	278	272	275	274	274	272	269	266	266	267	267	266	266	266	265	272	1	8 43	284	0 00	263	21
6				264	266	266	267	268	268	267	269	272	278	282	285	283	282	284	274	266	267	267	265	265	261	263	265	271	0	11 40	289	21 48	256	33
7			✓	265	266	266	270	276	272	275	283	294	291	279	280	278	286	281	271	266	260	262	265	267	267	267	266	273	1	9 10	300	17 15	257	43
8				266	266	267	267	266	267	265	265	277	283	289	295	301	293	284	279	274	271	271	267	267	266	264	267	274	0	12 21	302	7 01	258	44
9	✓			267	267	267	269	269	270	267	262	270	277	285	291	292	284	276	269	265	263	266	264	264	264	264	264	271	0	11 53	296	6 49	262	34
10	✓			266	264	266	267	267	267	271	280	288	292	293	289	281	274	266	257	262	266	266	262	263	264	265	264	271	0	10 30	296	15 40	256	40
11	✓			264	264	264	264	264	265	269	272	275	277	283	290	295	288	278	269	263	262	263	262	262	263	261	260	270	0	12 26	297	17 28	260	37
12	✓	✓		264	265	266	267	267	266	261	254	254	261	269	278	288	289	279	264	260	261	262	259	259	260	260	259	266	0	13 11	291	7 42	251	40
13			✓	259	260	260	263	265	265	262	261	270	280	291	289	285	284	278	275	273	268	266	268	265	260	260	261	270	1	10 52	300	7 08	254	46
14				262	261	261	263	263	260	256	254	255	255	260	277	295	291	289	277	□		□	265	264	□				1	[12 10	299]			
15										□	262	265	266	265	270	274	273	269	265	261	261	262	262	261	263	260	260			[12 40	275]			
16	✓			262	260	262	263	262	261	263	265	270	271	276	274	277	272	271	265	261	260	263	264	266	266	265	264	266	1	10 24	285	1 22	257	28
17				262	260	259	253	261	261	266	266	271	274	275	277	274	272	268	262	260	261	264	268	264	263	260	260	265	1	11 12	283	3 40	250	33
18				262	261	258	262	262	263	269	266	268	264	268	264	263	260	268	274	270	262	261	262	265	263	264	263	264	1	15 22	278	2 10	256	22
19	✓	✓		261	260	260	263	264	267	270	266	264	260	261	267	268	270	269	270	264	262	263	263	262	262	262	261	264	0	13 20	273	9 40	257	16
20	✓	✓		261	261	260	263	265	265	260	260	265	272	273	277	282	282	276	275	261	263	269	259	260	260	261	261	266	0	13 25	285	6 19	258	27
21	✓	✓		262	262	262	264	265	265	265	260	255	259	267	272	270	265	262	263	258	256	259	260	260	260	260	260	262	0	11 44	272	8 50	252	20
22				260	259	257	259	262	261	256	270	277	288	295	302	299	278	267	266	262	259	256	258	259	259	258	259	268	1	11 18	304	6 12	247	57
23			✓	262	262	262	263	(263)	257	245	239	251	259	270	287	294	291	279	267	256	259	261	260	262	264	263	264	264	1	11 53	298	7 40	234	64
24			✓	269	270	269	271	269	268	243	249	252	259	277	286	291	281	273	266	256	255	254	259	258	259	262	261	265	1	12 11	297	6 28	237	60
25				259	263	270	269	269	265	263	258	259	261	266	273	274	274	274	273	259	257	256	259	257	258	257	259	264	1	15 10	279	20 10	251	28
26				258	257	263	267	275	280	277	270	273	268	272	277	272	266	266	263	258	255	259	255	255	256	258	259	265	1	5 55	288	0 58	249	39
27				258	259	265	263	271	274	273	260	259	264	273	281	282	283	280	273	266	260	255	255	259	258	259	258	266	1	11 28	287	19 10	252	35
28				259	259	260	264	267	270	270	268	267	268	269	273	278	280	280	269	261	256	256	254	257	259	257	259	265	1	14 20	285	19 55	253	32
29	✓			262	263	263	266	270	270	273	274	266	258	250	254	259	265	276	273	261	256	257	259	258	259	258	258	263	1	14 50	279	10 42	249	30
30	✓	✓		259	258	260	262	268	270	272	266	252	240	240	253	258	260	263	267	265	259	258	259	258	259	259	259	259	0	6 00	274	10 10	235	39
31																																		
MEANS ALL DAYS a)				263	264	264	265	267	268	267	267	269	271	274	278	279	276	273	269	264	262	262	262	262	263	262	263	267						35 a)
MEANS TEN DAYS #				263	262	263	265	266	267	267	266	266	267	270	274	277	275	272	267	262	261	263	261	261	262	262	261	266						31
MEANS FIVE DAYS † (G. M. T.)				261	261	262	264	266	267	266	261	258	258	262	269	273	273	270	268	262	260	263 261 262 260		261	261	261	261	264						
MEANS FIVE DAYS ‡ (G. M. T.)				265	265	265	266	269	267	261	262	269	274	279	283	284	283	276	269	265	262	263	261	262	263	263	263	268						

a) Twenty-eight days only, omitting incomplete days April 14 and 15

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 398

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1932 MAY 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			259	260	260	262	267	272	276	270	258	250	247	253	258	256	259	257	252	254	256	256	259	262	262	261	259	0	6 30	279	10 23	244	35
2				261	262	263	265	269	275	282	271	257	251	248	245	243	239	247	252	255	245	252	254	258	260	263	266	258	0	6 42	288	13 20	238	50
3				263	262	263	262	264	276	288	293	287	281	274	268	261	251	242	244	247	258	258	255	259	261	261	260	264	0	7 20	294	14 22	241	53
4			✓	259	260	261	261	268	273	279	274	271	266	262	264	258	243	239	240	244	254	252	256	260	258	259	259	259	1	6 24	284	16 10	235	49
5			✓	259	258	257	261	269	276	283	289	298	298	295	282	274	279	274	268	256	252	256	258	258	258	257	255	270	1	9 28	302	17 15	249	53
6				253	256	261	264	266	271	275	285	285	284	279	276	278	271	262	258	259	258	258	254	254	257	256	256	266	1	7 51	290	11 00	247	43
7	✓			258	258	259	262	264	269	277	278	274	266	261	267	271	264	252	252	253	254	255	257	257	258	259	260	262	0	6 47	280	14 52	249	31
8	✓	✓		260	260	262	264	267	268	269	267	262	263	269	279	280	266	260	259	251	249	250	253	254	256	259	258	262	0	12 10	285	17 10	248	37
9	✓	✓		259	261	262	263	267	269	272	274	268	260	260	265	267	260	255	249	250	254	254	249	251	253	254	255	260	0	7 03	276	15 50	248	28
10				258	259	259	262	261	264	268	272	274	270	276	280	287	284	264	256	250	251	255	263	261	260	261	261	265	1	12 30	289	17 10	248	41
11				261	260	261	264	262	262	263	271	274	276	284	286	285	274	263	257	249	250	251	255	257	259	260	261	264	1	10 31	296	16 59	245	51
12	✓			259	259	259	260	260	262	266	269	269	270	269	266	260	257	254	255	252	250	254	254	255	258	260	258	260	1	8 10	274	17 09	246	28
13				259	258	255	256	257	261	262	270	274	277	274	279	277	268	262	255	252	251	254	254	255	257	257	257	262	1	12 01	283	16 50	248	35
14				257	254	254	255	259	260	261	259	255	253	253	257	269	267	256	247	246	247	252	257	254	255	256	257	256	1	13 20	272	16 55	243	29
15				256	256	255	254	256	257	265	264	261	270	275	267	274	274	272	263	256	254	254	254	254	255	256	254	261	1	10 37	284	19 51	250	34
16				250	245	250	262	262	263	266	273	275	270	267	280	285	278	271	(268)	262	255	255	255	256	256	257	257	263	1	12 03	288	1 48	236	52
17	✓			256	255	257	258	259	263	270	268	256	254	245	250	253	259	263	262	253	253	255	255	256	257	258	258	257	0	7 09	275	9 37	240	35
18	✓	✓		258	258	260	263	265	268	274	271	262	255	253	258	257	251	252	253	254	254	253	255	255	255	256	255	258	0	6 27	278	14 03	250	28
19	✓	✓		256	257	257	258	261	265	274	276	268	255	248	250	260	259	254	252	251	251	255	255	257	257	257	258	258	0	7 28	278	10 42	246	32
20	✓	✓		257	257	257	258	260	263	264	262	254	246	245	246	249	246	251	254	255	255	253	252	252	253	256	256	254	0	6 58	264	10 51	241	23
21				255	255	255	255	255	255	253	257	265	259	266	268	262	257	255	255	253	250	252	255	255	256	258	260	257	1	11 10	271	7 00	245	26
22				261	263	260	259	261	263	262	263	259	261	262	268	273	269	265	262	255	251	253	255	256	257	258	258	261	1	12 06	277	17 10	250	27
23				258	259	260	263	264	264	261	262	256	245	247	251	260	264	261	257	255	256	257	253	254	255	255	255	257	1	5 51	266	10 21	242	24
24				261	264	265	263	263	263	268	273	273	273	270	272	272	272	272	259	249	247	250	246	253	257	258	262	263	0	7 32	278	19 29	244	34
25			✓	261	259	266	264	263	268	274	276	279	278	277	269	263	257	257	257	253	251	252	255	255	257	258	257	263	1	10 40	280	17 30	248	32
26	✓			260	260	260	259	263	264	270	277	280	273	264	263	265	265	266	263	257	255	252	252	255	256	256	255	262	1	8 52	285	19 10	249	36
27				256	257	257	260	265	267	271	270	264	254	246	245	248	255	254	249	248	250	246	252	256	253	258	253	256	0	6 19	275	11 06	244	31
28				256	257	259	260	263	266	273	281	274	267	253	255	257	257	252	246	256	251	253	249	255	257	257	258	259	1	7 44	287	15 10	244	43
29			✓	255	256	255	256	255	261	268	281	274	264	255	257	262	261	255	247	255	267	266	268	269	263	238	254	260	2	7 49	287	22 32	226	61
30			✓	268	271	284	285	288	288	298	312	304	287	271	266	263	255	261	262	256	250	250	253	257	259	261	261	271	2	7 23	318	17 57	245	73
31				262	267	270	275	272	274	278	272	264	255	250	250	255	265	267	264	259	252	250	253	256	257	257	257	262	1	6 30	280	11 57	245	35
MEANS ALL DAYS				258	259	260	262	264	267	271	274	270	266	263	264	265	262	259	256	253	253	254	255	256	257	257	258	261						38
MEANS TEN DAYS ✲				258	258	259	261	263	266	271	271	265	259	256	260	262	258	257	256	253	253	254	254	255	256	258	257	259						31
MEANS FIVE DAYS (G. M. T.) †				258	259	260	261	264	267	271	270	263	256	255	260	263	256	254	253	252	253	254 253	255 253	256	257	258	258	259						
MEANS FIVE DAYS (G. M. T.) ‡				260	261	265	265	269	273	280	286	285	279	272	268	264	259	257	255	253	255	255	255	259	259	255	259	264						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 399

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1932

JUNE 1932

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				258	260	263	264	268	272	275	274	265	256	254	258	268	271	265	257	251	251	252	253	254	255	256	255	261	0	6 40	277	17 08	247	30
2				256	255	259	261	265	267	274	285	287	282	273	264	265	270	262	256	251	250	251	254	254	254	255	255	263	1	8 34	289	17 20	247	42
3	✓	✓		256	256	257	258	260	263	270	275	269	257	254	260	263	266	265	265	258	253	254	254	254	254	254	254	260	0	7 30	276	17 26	251	25
4	✓	✓		255	255	257	259	260	261	264	266	265	257	255	255	257	261	262	265	261	254	254	252	253	254	254	255	258	0	15 30	267	17 30	251	16
5	✓			256	256	258	261	264	267	271	274	271	261	253	251	252	252	253	255	252	246	250	250	250	251	252	254	257	0	7 25	275	17 32	245	30
6				255	256	256	256	261	263	267	274	274	266	263	257	256	256	256	256	249	245	248	248	249	251	252	254	257	0	7 58	277	17 20	244	33
7				254	256	257	254	256	257	254	258	254	257	249	255	264	261	261	257	252	249	251	257	256	256	258	256	256	1	12 46	265	10 33	241	24
8			✓	253	254	256	252	251	255	262	271	277	274	268	265	262	259	259	256	247	249	256	256	258	259	255	255	259	1	8 14	281	17 10	244	37
9			✓	255	255	256	257	255	258	268	276	274	264	265	265	261	254	256	256	253	251	251	254	253	252	254	256	258	1	8 32	279	17 01	249	30
10			✓	252	252	253	253	253	256	261	257	266	266	269	262	262	263	259	253	250	250	249	247	252	253	255	254	256	1	10 08	272	18 12	246	26
11			✓	256	255	257	259	263	257	264	267	256	254	253	246	248	249	254	258	257	251	251	255	256	258	255	256	256	1	7 05	273	11 42	242	31
12				256	255	254	256	258	261	264	265	261	252	248	255	257	260	262	256	252	249	251	251	253	254	253	254	256	0	7 10	267	10 35	244	23
13				256	257	257	256	259	259	256	256	248	239	241	249	261	270	279	278	259	251	250	249	251	251	252	253	256	1	15 05	284	9 35	238	46
14	✓			254	254	255	256	259	263	270	276	276	269	256	249	248	250	251	254	253	247	248	250	251	250	251	252	256	0	7 21	276	12 53	246	30
15	✓	✓		254	254	255	256	257	258	260	262	257	251	250	254	261	267	269	268	256	249	251	249	249	251	252	252	256	0	14 50	271	10 00	246	25
16	✓			253	254	255	255	257	261	264	266	(260	252)	246	239	242	236	240	249	249	250	248	249	249	252	253	253	251	0	6 58	268	13 45	230	38
17	✓			254	256	256	256	257	258	267	275	277	266	257	268	278	267	255	251	249	246	245	246	247	249	251	251	258	0	12 25	280	17 35	244	36
18	✓			252	253	254	255	257	259	260	259	256	248	245	248	255	263	258	250	245	244	245	249	250	252	252	251	252	0	13 44	265	17 10	243	22
19				253	254	255	256	259	263	269	270	265	251	239	237	239	246	247	246	238	240	243	245	246	248	249	252	250	0	7 10	272	11 30	236	36
20			✓	255	255	256	258	262	264	257	267	264	259	241	235	239	236	238	245	247	245	251	250	252	252	252	252	251	1	7 53	270	12 18	227	43
21				252	253	255	257	259	260	265	274	271	271	265	252	250	255	251	247	237	237	245	246	246	248	250	252	254	0	7 32	278	16 49	235	43
22				252	252	256	259	261	260	261	273	280	(280	271)	261	250	247	244	(245)	245	244	247	248	249	252	255	256	256	1	8 56	285	17 23	241	44
23				255	254	253	253	256	256	259	264	257	251	248	249	259	263	262	258	250	248	251	251	253	253	254	254	255	0	7 28	266	10 30	247	19
24				255	255	256	257	257	258	260	258	250	245	242	240	241	249	250	253	250	244	247	248	249	250	251	252	251	0	6 54	262	12 22	238	24
25				253	253	255	256	259	262	266	267	262	262	259	256	251	247	268	263	249	248	248	248	249	251	252	253	256	0	7 09	273	13 13	242	31
26				255	257	259	259	260	260	267	268	258	248	244	244	249	259	264	258	247	242	246	247	247	250	251	252	254	0	7 40	273	17 22	239	34
27		✓		253	253	254	255	257	258	263	264	258	249	255	262	260	262	259	258	251	246	247	248	248	249	250	251	255	0	7 00	267	17 18	244	23
28	✓	✓		251	254	255	257	259	260	268	267	255	247	249	254	257	261	266	264	249	239	245	246	246	248	249	249	254	0	6 50	272	17 30	237	35
29				250	252	254	255	255	257	268	268	253	241	237	238	250	255	264	264	256	243	247	248	248	248	250	252	252	0	6 58	274	11 06	235	39
30	✓			251	252	253	255	257	261	274	279	272	258	254	244	242	248	255	251	245	243	247	246	247	247	247	248	253	0	7 07	281	11 32	239	42
31																																		
MEANS ALL DAYS				254	255	256	257	259	260	265	268	265	258	253	252	255	257	258	256	250	247	249	250	251	252	252	253	255						32
MEANS TEN DAYS ✱				254	254	256	257	259	261	267	270	266	257	252	252	256	257	257	257	252	247	249	249	250	251	252	252	255						30
MEANS FIVE DAYS † (G. M. T.)				254	254	256	257	259	260	265	267	261	252	253	257	260	263	254	264	255	248	249 250	251 250	251	251	252	253	257						
MEANS FIVE DAYS ‡ (G. M. T.)				254	254	256	256	257	258	262	268	267	263	259	255	254	252	253	254	251	249	252	252	253	254	254	255	256						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 400

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1932

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			250	250	250	251	254	258	270	282	276	263	248	246	247	247	245	245	249	247	247	247	248	248	248	249	253	0	7 30	283	15 20	243	40
2	✓			251	252	254	257	258	260	264	270	264	258	255	255	256	259	263	255	251	251	248	248	250	250	250	249	255	0	7 20	271	18 50	247	24
3	✓	✓		249	249	251	252	257	260	268	267	267	263	263	268	270	271	272	259	251	249	248	247	247	248	249	249	257	0	11 55	275	18 55	246	29
4				250	250	253	255	258	262	273	278	268	268	249	238	240	236	238	244	239	233	237	237	239	243	246	247	249	1	6 54	279	17 00	230	49
5			✓	249	250	252	255	257	260	268	277	268	260	254	254	256	251	237	238	240	243	252	250	250	250	257	248	253	1	7 40	278	14 29	233	45
6			✓	244	238	239	238	243	244	259	278	279	273	263	265	267	262	259	262	255	250	251	253	254	252	251	251	255	1	7 51	291	3 59	232	59
7			✓	248	250	245	246	248	254	259	260	259	256	257	259	258	250	252	259	253	253	251	248	249	251	250	251	253	1	6 52	264	0 00	242	22
8			✓	255	253	258	250	253	254	267	279	275	273	274	277	279	269	259	249	243	242	248	248	248	249	250	251	258	0	7 29	283	17 10	238	45
9				253	252	253	253	250	254	259	266	268	264	259	253	256	254	251	249	247	244	248	248	249	249	253	252	254	0	8 36	271	17 18	241	30
10				249	250	251	253	254	257	268	274	266	263	268	263	263	259	258	257	248	246	244	247	248	248	249	249	256	1	7 10	276	17 59	243	33
11				248	249	251	253	255	257	263	268	255	246	246	249	249	251	259	262	253	244	248	248	248	248	248	248	252	0	7 24	272	17 29	242	30
12	✓			248	249	250	251	250	255	264	270	265	253	248	24.6	246	246	248	250	250	246	248	247	248	248	249	250	251	0	7 49	273	11 23	243	30
13	✓	✓		252	253	253	254	257	258	261	260	251	243	244	249	255	250	249	250	245	244	245	247	248	248	249	248	251	0	6 55	262	17 11	240	22
14	✓	✓		249	250	253	254	258	259	269	276	269	264	254	252	253	253	258	255	249	242	242	243	245	248	248	249	254	0	7 21	278	17 39	240	38
15				250	251	251	253	256	258	264	269	268	254	240	231	240	253	255	257	245	238	(243)	246	245	246	247	247	250	0	7 06	270	11 20	229	41
16			✓	249	251	248	246	259	260	268	271	264	241	254	259	249	252	256	251	247	246	244	250	250	252	254	257	253	2	7 53	280	9 17	235	45
17				254	254	255	258	260	265	274	274	260	245	240	243	252	268	271	259	242	239	244	248	250	250	251	251	254	1	6 45	279	17 24	237	42
18				251	252	254	255	258	261	271	275	266	255	249	240	230	233	248	253	250	248	248	249	249	250	250	250	252	0	6 56	279	13 10	228	51
19				252	253	253	254	257	259	265	268	267	253	245	243	243	246	255	262	255	245	246	248	248	249	250	250	253	0	8 24	271	11 50	240	31
20				252	252	254	255	258	260	267	268	259	251	249	249	250	260	268	259	249	249	249	249	250	251	251	250	255	0	6 50	271	16 46	245	26
21				249	250	251	252	256	260	268	270	265	256	254	258	260	262	259	255	247	244	244	246	249	249	249	249	254	0	7 32	274	17 45	242	32
22	✓			251	250	250	252	254	258	266	272	266	260	261	262	268	269	264	260	253	249	249	246	246	247	249	251	256	0	7 45	274	19 50	245	29
23	✓			251	252	254	255	256	256	262	266	259	253	253	260	265	260	255	255	250	241	244	247	248	249	250	250	254	0	12 30	268	17 30	240	28
24				251	251	252	252	253	254	256	258	251	243	242	247	251	259	259	257	247	240	241	243	245	246	248	249	250	0	14 15	260	17 40	239	21
25				250	251	252	255	255	257	263	269	259	249	245	246	250	250	255	256	248	243	244	245	246	246	250	251	251	0	7 20	271	17 31	241	30
26				251	251	249	249	251	258	269	271	266	264	269	265	267	264	259	252	250	246	247	246	247	249	249	249	256	0	7 55	274	18 35	245	29
27				250	249	249	250	253	254	259	264	260	255	253	246	251	258	259	252	246	251	250	249	250	251	251	250	252	0	7 42	269	11 26	243	26
28	✓	✓		250	250	250	252	253	257	264	264	258	250	247	249	256	255	251	255	242	240	246	246	247	249	249	250	251	0	6 40	269	17 15	239	30
29	✓	✓		250	250	250	251	255	258	264	273	270	262	260	260	265	269	267	263	255	248	248	248	248	248	248	248	257	0	7 52	276	17 50	244	32
30				249	250	251	251	254	257	260	260	249	235	228	233	251	258	265	258	252	244	242	247	249	249	248	248	250	1	14 20	267	10 04	226	41
31				250	246	248	250	254	256	266	271	272	267	265	259	257	253	254	256	252	247	248	249	249	251	250	252	255	0	8 08	278	1 20	242	36
MEANS ALL DAYS				250	250	251	252	255	257	265	270	264	256	253	252	255	256	256	255	248	245	246	247	248	249	250	250	253						34
MEANS TEN DAYS ✲				250	250	252	253	255	258	265	270	264	257	253	255	258	258	257	255	250	246	246	247	248	248	249	249	254						30
MEANS FIVE DAYS † (G. M. T.)				250	250	251	253	256	258	265	268	263	256	254	256	260	260	259	256	248	245	247 246	247 246	249	249	250	249	254						
MEANS FIVE DAYS ‡ (G. M. T.)				249	248	248	247	252	254	264	273	269	261	260	263	262	257	253	252	248	247	249	247	247	248	250	249	254						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 401

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1932

AUGUST 1932

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M	MAXIMUM	MINIMUM H M	MINIMUM	RANGE
1				249	249	248	248	253	261	267	271	267	259	258	261	263	260	253	252	255	249	252	250	253	253	251	250	256	0	8 06	275	3 10	244	31
2			✓	247	240	244	254	255	259	269	271	269	256	249	240	236	238	245	249	244	245	250	250	254	251	253	250	251	1	7 57	278	13 07	229	49
3			✓	250	245	243	241	249	251	253	246	255	257	252	253	251	255	259	259	255	251	256	254	253	253	250	245	252	1	14 55	265	3 22	239	26
4				248	245	247	245	248	255	263	266	261	256	256	257	254	259	266	262	253	247	247	245	247	250	250	249	253	1	7 42	271	3 54	241	30
5				241	240	246	245	243	248	261	273	272	259	244	244	249	250	253	255	251	249	250	250	250	251	251	250	251	0	7 57	277	1 02	239	38
6	✓			250	250	251	253	255	256	260	264	265	259	255	249	252	254	254	256	250	245	249	249	249	249	250	250	253	0	8 13	267	17 20	244	23
7	✓			249	249	250	252	254	259	267	275	274	263	256	253	266	278	276	270	259	249	249	249	248	248	248	246	258	0	13 55	280	23 20	245	35
8				248	245	245	248	253	259	271	278	272	259	253	255	251	249	252	254	246	241	245	247	248	248	249	245	253	0	7 22	280	17 30	240	40
9				245	246	246	240	248	250	254	263	264	255	250	246	244	240	245	254	252	248	246	247	249	249	250	250	249	0	8 04	269	3 20	239	30
10	✓	✓		249	249	249	250	253	256	260	254	247	239	229	229	229	239	249	254	256	249	248	248	248	249	249	249	247	0	6 18	262	12 04	225	37
11				249	249	249	251	254	256	258	250	239	233	234	241	253	259	264	259	254	249	248	254	258	257	252	251	251	0	14 30	267	9 48	230	37
12				249	249	249	250	254	260	273	279	271	260	254	252	251	251	248	241	240	240	245	247	247	247	246	248	252	1	7 54	285	15 42	239	46
13				249	251	253	250	255	258	264	265	261	253	246	249	247	247	249	254	250	245	246	249	248	249	249	249	252	1	6 46	269	17 32	243	26
14				249	245	247	252	256	261	268	265	258	250	245	251	253	253	252	254	253	250	249	245	245	246	246	247	252	0	6 58	270	1 39	242	28
15	✓			250	250	251	254	258	262	273	279	274	259	254	256	259	259	259	259	255	245	243	247	248	249	250	250	256	0	7 40	279	17 52	242	37
16	✓	✓		250	250	251	253	255	258	259	258	251	244	239	240	249	256	258	251	245	242	244	244	245	248	249	249	250	0	6 57	261	10 58	239	22
17	✓	✓		249	249	250	253	254	258	260	257	250	(242)	238	239	241	249	259	258	249	239	240	243	244	246	248	249	248	0	14 50	261	10 58	236	25
18	✓	✓		250	250	251	253	254	256	257	259	254	249	249	247	249	248	249	250	241	239	240	243	245	247	249	250	249	0	7 07	260	17 26	235	25
19	✓	✓		250	250	251	254	255	258	254	252	249	241	233	233	237	239	241	244	241	240	245	248	249	249	249	249	246	0	5 20	259	10 42	229	30
20				249	249	249	250	253	259	265	267	251	235	226	229	232	239	247	250	244	240	240	241	242	244	245	247	246	0	7 07	271	10 32	224	47
21				246	246	249	252	254	256	267	271	266	249	234	221	227	239	249	250	244	242	249	249	249	249	249	249	248	1	7 57	274	11 52	219	55
22				249	249	250	251	255	259	270	269	258	238	234	239	239	247	248	253	249	246	248	249	249	249	249	249	250	1	6 30	277	9 58	229	48
23				244	244	249	249	250	249	254	259	252	240	239	234	239	249	258	255	246	244	246	248	249	249	249	249	248	1	7 12	260	10 45	229	31
24	✓			248	247	248	251	253	256	253	249	240	234	238	242	248	256	262	256	248	243	245	248	248	248	248	243	248	0	14 28	265	9 24	232	33
25	✓			244	245	243	248	252	255	258	257	252	247	243	249	249	246	249	255	252	243	242	243	245	245	246	246	248	0	6 30	260	17 50	239	21
26				246	247	248	249	253	256	254	244	231	218	208	208	216	226	242	254	250	242	244	246	247	246	246	244	240	0	5 30	258	10 33	206	52
27			✓	243	244	244	242	243	253	252	250	247	244	239	228	243	250	254	253	253	255	258	257	258	241	249	249	248	1	18 40	262	11 10	223	39
28			✓	242	232	232	238	239	245	255	265	264	262	259	262	261	262	252	245	243	245	245	246	248	247	248	242	249	1	8 26	273	2 15	227	46
29			✓	243	246	243	248	250	255	255	257	259	256	245	242	242	247	249	258	262	254	249	251	252	248	248	248	250	1	6 53	267	12 13	235	32
30				247	248	244	245	251	255	269	276	277	267	263	253	249	252	252	248	247	244	247	247	247	248	248	248	253	1	8 26	282	3 08	239	43
31				244	246	244	248	251	259	207	269	268	265	263	265	268	273	276	271	264	255	252	250	249	248	247	247	258	0	14 42	277	2 18	240	37
MEANS ALL DAYS				247	247	247	249	252	256	262	263	259	250	245	244	247	251	254	254	250	246	247	248	249	248	249	248	250						35
MEANS TEN DAYS ✲				249	249	250	252	254	257	260	260	256	248	243	244	248	252	256	255	250	243	244	246	247	248	249	248	250						29
MEANS FIVE DAYS † (G. M. T.)				250	250	250	253	254	257	258	256	250	243	238	238	241	246	251	251	246	242	243 245 243 245		246	248	249	250	248						
MEANS FIVE DAYS ‡ (G. M. T.)				245	241	241	245	247	253	257	258	259	255	249	245	247	250	252	253	251	250	252	250	252	248	249	247	250						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 402

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1932 — SEPTEMBER 1932

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				243	241	245	249	250	256	258	255	247	238	229	232	242	250	253	257	256	253	249	248	249	251	248	246	248	1	6 06	263	10 17	227	36
2				248	245	246	248	255	260	268	268	258	251	243	247	258	260	255	252	253	254	252	250	249	249	248	247	253	0	6 45	272	10 52	239	33
3	✓	✓		248	248	249	249	253	257	265	271	268	265	264	265	268	266	254	244	247	248	249	248	248	248	248	248	255	0	7 36	273	15 36	243	30
4	✓			246	246	246	248	252	259	267	269	273	269	264	264	268	258	248	249	252	251	248	246	246	246	246	246	254	0	8 27	274	1 54	245	29
5				244	245	247	248	251	258	268	261	257	250	245	233	233	237	239	238	238	241	245	245	246	247	248	248	246	0	6 30	270	11 38	228	42
6			✓	248	244	237	244	250	254	262	267	262	253	258	264	268	279	275	268	256	251	250	251	249	249	249	248	256	1	13 10	283	2 09	233	50
7				246	245	247	248	249	253	262	261	252	247	243	243	248	257	258	255	252	248	249	247	247	247	234	234	249	0	7 35	262	22 53	228	34
8			✓	239	242	247	250	253	257	262	257	254	254	253	251	252	257	257	254	250	245	241	242	243	242	237	245	249	1	6 36	265	0 39	236	29
9				242	244	249	251	253	256	258	259	263	261	262	259	261	262	255	245	237	237	241	243	244	244	244	245	251	1	8 55	266	16 54	235	31
10	✓	✓		246	246	247	248	251	251	251	250	249	246	241	247	255	263	266	257	249	242	241	242	242	244	246	247	249	0	14 01	268	10 30	238	30
11	✓	✓		244	246	247	247	251	254	259	251	242	233	227	227	239	252	247	243	242	241	243	246	244	244	245	245	244	0	6 21	260	10 45	223	37
12	✓			247	247	247	248	250	253	254	248	243	231	217	220	235	249	258	259	249	239	242	243	244	245	244	243	244	0	15 13	262	10 54	215	47
13	✓			244	245	245	246	249	256	259	257	251	246	237	247	257	267	267	264	256	246	243	243	243	244	244	243	250	0	14 49	269	10 10	234	35
14	✓			243	242	247	250	253	257	261	262	257	248	242	241	248	256	252	245	240	237	242	242	242	243	243	243	247	0	7 54	264	17 11	237	27
15				243	243	244	247	248	253	264	270	277	274	265	257	259	251	237	(233)	Δ									0	8 36	279			
16		✓									Δ	250	247	(249)	253	263	267	266	258	251	242	238	241	242	242	242	242		0	13 49	270			
17	✓	✓		243	242	244	247	249	250	252	256	258	254	249	253	257	261	261	259	252	246	242	242	242	242	242	240	249	0	14 28	263	24 00	239	24
18				238	239	242	244	250	254	260	267	269	263	257	247	253	256	256	250	248	249	253	248	251	249	247	246	252	0	8 05	272	1 00	237	35
19				243	238	236	236	237	244	253	257	266	268	261	256	257	253	250	249	249	252	249	247	247	242	243	246	249	1	9 23	277	2 58	232	45
20				242	240	238	230	243	248	247	250	252	254	250	257	268	267	257	252	247	245	246	248	246	247	247	246	249	1	12 58	272	3 34	225	47
21	✓			241	242	241	245	248	251	250	247	248	243	241	251	262	261	256	250	246	248	247	245	244	244	243	238	247	0	13 03	266	23 44	236	30
22				241	242	242	242	246	245	240	239	241	249	251	254	269	276	276	270	260	252	246	246	245	242	241	243	250	1	13 29	279	7 28	235	44
23			✓	241	241	242	242	236	239	232	223	222	221	237	252	259	262	263	263	255	252	253	253	253	251	247	246	245	1	13 50	271	9 12	211	60
24			✓	243	235	240	242	247	250	248	253	244	253	243	246	253	254	254	247	246	246	249	246	247	244	240	241	246	1	7 52	266	1 20	233	33
25			✓	236	233	227	231	244	246	245	251	259	254	238	249	258	265	267	262	255	251	252	252	248	243	246	240	248	1	14 46	272	3 12	222	50
26				234	235	239	242	247	246	251	251	254	253	248	251	261	269	272	265	254	248	246	244	243	241	242	243	249	1	14 30	276	0 05	232	44
27				243	240	243	246	247	251	257	251	242	231	228	232	241	246	251	251	250	246	247	247	246	246	245	244	245	1	6 51	260	10 55	224	36
28	✓			244	241	241	242	245	246	239	240	238	226	217	232	251	266	268	262	250	245	245	246	245	244	243	242	244	0	14 20	271	10 50	216	55
29				241	241	241	241	243	251	251	247	236	221	216	226	236	247	256	256	253	252	251	250	249	246	246	244	243	0	15 08	261	10 10	214	47
30				241	238	236	240	248	254	251	244	241	242	242	246	257	262	256	247	246	246	246	244	246	242	242	242	246	0	13 25	263	10 15	234	29
31																																		
MEANS ALL DAYS a)				243	242	243	244	248	252	255	254	252	247	243	246	254	259	258	254	250	247	247	246	246	245	244	244	248						a) 38
MEANS TEN DAYS *				245	244	245	247	250	253	256	255	253	246	240	245	254	260	258	253	248	244	244	244	244	244	244	244	248						34
MEANS FOUR DAYS (G. M. T.) b) †				245	245	247	248	251	253	257	257	254	250	245	248	255	260	257	251	248	244	243 244 / 244 244		244	245	245	245	249						
MEANS FIVE DAYS (G. M. T.) ‡				241	239	239	242	246	249	250	250	248	247	246	252	258	263	263	259	252	249	249	247	248	246	242	242	249						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-eight days only, omitting incomplete days September 15 and 16

b) Omitting incomplete Greenwich day September 16

TABLE 403

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1932

OCTOBER 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			239	238	241	243	248	254	254	252	245	236	236	248	252	252	249	246	244	242	242	243	243	243	242	241	245	0	5 55	257	9 52	233	24
2				238	237	236	237	239	239	240	246	260	263	269	281	281	266	252	242	241	240	241	242	243	242	241	243	248	0	12 05	283	2 05	233	50
3				238	235	233	238	242	244	243	248	251	253	263	268	271	261	252	245	240	236	241	242	242	242	242	241	246	0	12 10	273	2 29	231	42
4				239	237	236	237	237	240	243	254	262	269	271	267	264	249	239	236	234	234	239	241	242	242	242	242	246	0	10 40	283	17 11	231	52
5	✓			238	237	237	237	239	239	231	233	240	246	255	265	272	270	264	255	241	238	241	242	241	241	241	240	245	0	13 03	275	6 43	229	46
6	✓	✓		239	238	238	239	239	239	233	229	222	222	230	248	251	254	249	241	234	235	238	238	238	240	240	240	238	0	13 27	255	8 51	220	35
7	✓			239	239	237	237	239	242	247	243	238	235	240	248	250	247	242	237	234	235	239	240	240	240	240	240	240	0	12 57	252	16 21	232	20
8	✓			239	239	239	239	239	239	235	229	215	209	213	224	229	238	248	251	249	242	242	242	240	240	241	238	236	0	15 14	254	9 08	208	46
9				238	239	239	239	240	240	238	235	233	234	237	246	245	240	239	242	239	235	237	237	241	241	238	235	239	1	11 55	250	9 08	230	20
10				237	237	237	239	241	242	240	234	227	222	226	238	248	248	253	249	240	238	239	239	235	239	240	237	239	1	14 50	255	9 34	220	35
11				238	237	236	239	241	247	246	247	252	250	251	255	255	251	250	245	237	234	235	240	240	240	240	239	244	0	12 00	259	17 24	232	27
12	✓			239	237	236	239	243	247	240	236	232	226	226	238	248	265	270	256	242	238	239	239	240	240	240	240	242	0	14 24	274	9 48	223	51
13	✓	✓		238	237	234	235	235	237	232	232	228	226	232	239	238	247	255	244	235	235	238	239	240	240	240	239	237	0	14 40	259	9 15	221	38
14		✓		239	237	237	237	237	237	236	234	227	218	218	227	231	234	241	(239)	238	240	242	244	244	244	235	232	235	0	20 40	248	9 47	212	36
15			✓	230	231	233	237	233	225	221	225	223	229	241	249	260	268	261	251	247	240	241	247	247	248	245	243	241	1	14 00	272	9 04	218	54
16			✓	240	233	234	238	241	240	238	237	240	241	248	258	259	255	252	244	237	238	243	244	243	242	242	241	243	1	11 10	261	1 40	230	31
17				240	236	235	233	232	235	230	233	237	243	252	257	259	259	255	247	243	244	246	245	243	242	242	240	243	0	10 43	260	4 06	228	32
18				239	238	238	238	239	238	232	230	233	239	252	260	251	250	250	243	236	239	238	240	241	239	236	236	241	0	11 40	262	7 22	230	32
19				229	229	231	231	236	238	241	247	252	260	270	281	281	277	271	257	241	236	237	240	239	238	237	235	247	0	11 47	284	0 32	227	57
20			✓	233	233	232	230	233	232	220	221	221	227	257	274	271	272	269	264	254	248	252	255	249	241	244	234	244	1	13 28	282	9 01	212	70
21			✓	230	228	226	229	225	228	229	239	250	250	259	271	268	264	257	241	232	236	240	241	241	240	239	237	242	1	11 32	278	4 33	221	57
22				237	235	234	235	235	233	231	234	238	243	255	263	266	258	255	251	244	248	248	246	246	243	238	233	244	0	12 32	273	6 01	229	44
23			✓	231	232	231	227	221	226	227	228	233	240	249	249	254	261	257	249	241	244	243	244	243	242	240	238	240	1	13 23	265	4 20	217	48
24				236	229	228	228	229	231	232	233	236	246	256	259	255	252	256	247	233	236	241	242	242	240	240	236	240	1	11 20	262	1 40	228	34
25				234	233	230	230	232	232	230	229	229	231	241	248	251	256	259	248	239	236	240	241	240	240	240	239	239	0	14 28	260	6 41	228	32
26	✓	✓		235	235	236	237	239	239	236	236	236	241	248	249	252	255	254	244	235	234	238	240	240	239	236	236	240	0	14 26	256	17 23	232	24
27				232	232	230	231	234	235	226	226	240	244	257	263	263	262	258	248	235	236	241	240	240	239	239	236	241	1	11 42	266	6 53	220	46
28	✓	✓		233	234	234	236	238	236	230	231	232	237	246	253	251	251	256	248	238	238	239	240	239	238	234	233	239	0	14 39	258	6 41	228	30
29	✓			232	229	229	231	232	229	226	229	231	238	249	257	253	239	243	240	230	228	238	243	243	244	242	237	237	0	11 30	259	17 15	224	35
30				232	223	222	228	233	230	220	224	231	241	248	249	255	254	253	246	237	234	240	243	240	240	240	239	238	1	12 52	257	6 52	218	39
31				235	231	229	229	229	229	223	220	225	235	239	241	245	241	239	230	223	225	236	240	241	239	239	238	233	0	12 25	247	7 30	220	27
MEANS ALL DAYS				236	234	234	235	236	237	234	235	236	239	246	254	256	255	253	246	238	237	240	242	241	241	240	238	241						39
MEANS TEN DAYS ✲				237	236	236	237	239	240	236	235	232	232	238	247	250	252	253	246	238	236	239	241	240	240	240	238	240						35
MEANS FIVE DAYS † (G. M. T.)				237	236	236	237	238	238	233	232	229	229	235	243	245	248	251	243	236	236	240 240 239 240		240	240	240	239	238						
MEANS FIVE DAYS ‡ (G. M. T.)				233	231	231	232	231	230	227	230	233	237	251	260	262	264	259	250	242	241	244	246	245	243	240	235	242						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 404

DECLINATION

NOVEMBER 1932

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1932

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	237	225	217	226	229	226	218	229	238	249	253	253	253	251	247	237	229	235	243	246	246	243	243	239	238	1	12 50	258	2 20	213	45
2				233	232	230	229	230	229	220	223	237	250	258	259	258	256	252	248	245	242	238	239	239	239	236	233	240	1	11 48	261	6 18	219	42
3	✓			233	230	229	228	229	229	223	223	232	239	247	248	248	248	240	238	238	239	241	240	240	240	240	238	237	0	13 13	253	6 49	221	32
4				235	232	232	232	232	233	231	234	238	247	250	250	248	243	237	237	230	238	243	243	243	244	238	235	239	1	11 25	257	16 27	228	29
5				233	231	231	230	232	228	226	236	240	249	258	266	268	254	244	237	229	233	238	239	238	237	235	232	239	0	12 16	273	6 25	223	50
6	✓	✓		231	228	228	228	230	227	222	226	233	239	246	254	249	241	240	231	228	230	236	238	238	238	237	233	235	0	11 40	256	6 28	220	36
7				232	230	229	229	230	228	223	227	233	243	258	267	266	256	248	238	232	229	235	237	238	238	236	233	238	0	11 47	272	6 28	222	50
8	✓			230	230	229	229	231	228	226	230	235	242	248	253	249	244	247	247	249	246	238	239	238	237	234	232	238	1	12 01	263	6 19	224	39
9	✓	✓		230	229	228	228	228	229	227	228	232	238	240	242	233	230	233	236	236	233	238	239	238	235	233	230	233	0	11 07	244	6 31	227	17
10	✓	✓		228	228	228	227	227	223	220	228	237	249	258	256	252	247	242	237	230	232	238	237	238	235	234	232	236	0	10 01	259	6 05	217	42
11				228	228	227	226	227	225	222	229	238	248	255	257	257	247	244	238	230	231	238	238	237	236	234	232	236	1	12 30	260	6 10	220	40
12				228	221	222	226	228	227	216	219	223	239	242	244	239	239	240	238	234	238	240	239	237	237	232	229	232	1	11 15	248	6 20	214	34
13				227	226	224	225	228	226	219	218	225	236	241	244	245	240	238	237	234	236	238	237	235	235	232	229	232	1	11 09	248	7 30	217	31
14			✓	226	216	213	210	215	220	221	228	237	236	248	247	252	253	245	237	231	237	239	238	237	236	236	233	233	1	12 56	256	3 21	208	48
15			✓	227	226	226	227	228	227	226	232	238	250	(258)	262	262	259	255	247	241	239	244	242	239	239	230	229	240	1	12 35	268	6 10	225	43
16			✓	218	217	215	221	222	217	220	231	241	257	265	270	259	249	235	236	232	232	238	240	243	243	241	236	237	1	11 24	278	2 03	207	71
17			✓	232	229	228	229	227	221	220	235	249	262	268	266	267	247	235	228	228	231	236	239	239	237	236	232	238	1	10 50	274	5 52	218	56
18				231	228	228	227	232	227	218	223	231	247	257	261	252	244	242	236	229	226	231	236	233	231	230	230	235	0	10 56	268	6 11	218	50
19				227	227	228	226	225	220	212	216	227	243	254	262	262	251	249	239	231	233	236	237	238	237	235	231	235	1	11 48	267	6 37	212	55
20				229	226	224	227	228	219	214	220	227	240	246	254	256	248	243	236	235	238	238	238	237	236	234	231	234	0	11 57	258	6 10	213	45
21	✓			228	227	227	226	228	225	222	228	240	252	251	252	249	242	238	233	228	227	231	234	235	235	235	233	234	0	11 38	255	5 52	219	36
22	✓	✓		230	227	226	224	226	219	212	218	232	241	239	242	239	239	237	234	233	232	234	236	234	232	230	227	231	0	11 22	245	6 15	211	34
23				227	227	227	227	227	227	226	222	226	236	243	252	254	249	243	234	228	228	232	233	233	232	231	229	233	0	12 00	257	7 55	218	39
24	✓	✓		228	226	224	224	223	218	211	217	226	235	237	241	237	233	232	227	226	233	241	239	236	235	232	231	230	1	12 20	243	6 15	211	32
25				225	222	216	219	217	212	214	223	233	246	252	246	242	234	229	229	229	232	241	241	237	233	231	231	231	1	10 29	262	5 48	209	53
26	✓			225	222	219	220	224	220	221	231	240	242	245	243	243	239	229	226	224	231	236	234	234	231	230	227	231	0	10 42	250	2 44	216	34
27	✓			223	225	225	225	224	220	219	223	230	237	240	241	242	242	248	251	235	229	233	235	234	231	229	226	232	0	15 07	255	6 15	217	38
28				223	221	220	221	219	216	211	211	219	234	244	253	251	241	241	236	233	231	236	238	241	232	229	229	230	0	11 34	259	6 33	210	49
29				231	222	217	221	224	221	216	225	241	257	250	241	241	229	223	230	233	232	232	233	233	232	229	229	231	1	9 45	262	1 57	211	51
30				230	228	225	223	223	218	211	213	222	226	227	229	229	232	236	239	238	231	232	233	232	231	231	231	228	0	15 56	241	6 44	200	41
31																																		
MEANS ALL DAYS				229	226	225	225	226	224	220	225	233	244	249	252	250	244	240	237	233	233	237	238	237	236	234	231	235						42
MEANS TEN DAYS *				229	227	226	226	227	224	220	225	234	241	245	247	244	240	239	236	233	233	237	237	236	235	233	231	234						34
MEANS FIVE DAYS † (G. M. T.)				229	228	227	226	227	223	218	223	232	240	244	247	242	238	237	233	231	232	235 237 / 237 238		236	235	234	231	233						
MEANS FIVE DAYS ‡ (G. M. T.)				228	223	220	223	224	222	221	231	241	251	258	260	259	252	243	237	232	235	240	239	239	238	236	233	237						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 405

DECLINATION

DECEMBER 1932

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1932

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				227	225	221	221	225	221	212	209	216	233	244	255	260	245	231	230	225	224	229	234	235	235	232	233	230	0	12 22	264	7 37	207	57
2	✓			231	227	228	228	226	223	216	223	237	246	249	251	243	233	231	231	227	231	233	233	236	235	232	230	232	0	11 24	252	6 20	215	37
3	✓			231	228	228	227	226	221	211	214	232	246	253	263	266	254	245	242	236	233	232	231	232	232	233	230	235	0	12 07	270	6 27	211	59
4	✓			225	222	221	222	224	220	219	229	243	257	263	263	250	236	230	231	230	231	232	232	232	231	230	229	233	0	10 37	267	6 12	216	51
5	✓	✓		225	222	222	221	221	217	211	211	222	236	249	256	256	247	241	232	230	230	232	234	232	231	230	229	231	0	12 06	260	7 00	210	50
6				226	222	220	221	221	219	216	227	232	242	246	242	235	228	220	221	227	231	233	236	237	233	232	231	229	1	10 18	248	6 01	214	34
7	✓	✓		230	228	224	225	225	222	221	227	237	246	259	268	252	240	226	221	220	224	230	231	231	230	232	232	233	0	11 30	271	15 50	217	54
8			✓	230	231	216	216	220	221	211	219	233	231	243	251	246	235	227	231	237	240	247	243	239	232	230	224	231	1	12 00	258	6 07	210	48
9				220	212	209	202	212	211	203	221	250	261	251	245	232	229	230	231	225	225	231	235	232	230	229	227	227	1	9 46	268	3 17	201	67
10				226	222	221	221	222	217	211	227	235	238	241	250	240	232	231	231	232	231	232	234	234	232	231	227	230	1	11 19	252	6 20	210	42
11	✓			225	224	221	221	224	221	221	231	237	240	241	247	238	233	229	219	212	220	229	233	233	231	230	226	229	0	11 41	249	16 30	213	36
12	✓	✓		223	219	218	218	216	210	199	209	226	234	241	248	249	245	244	237	231	228	229	230	230	228	226	226	228	0	12 01	249	6 29	196	53
13				223	221	220	220	219	211	201	210	223	241	252	258	263	245	241	233	230	229	233	240	237	234	231	226	231	1	12 21	271	6 30	200	71
14			✓	222	221	216	214	210	201	187	191	209	222	248	268	253	232	243	244	241	237	242	246	247	242	241	234	230	2	12 03	274	6 56	181	93
15			✓	230	228	222	223	221	211	203	209	220	241	247	252	261	266	265	251	243	240	241	241	234	237	238	235	236	1	13 45	271	6 40	202	69
16			✓	231	226	221	221	221	211	199	204	211	231	235	236	233	229	226	230	229	229	231	234	233	231	230	230	226	1	11 48	242	6 53	196	46
17			✓	226	221	219	213	212	211	207	213	221	241	251	247	243	251	241	231	230	229	231	236	235	235	231	230	229	1	10 41	255	6 38	202	53
18				227	227	222	221	221	215	203	210	222	237	246	253	242	232	222	221	220	223	230	234	231	230	226	218	226	1	11 25	254	6 36	202	52
19				223	220	219	218	221	218	212	214	221	(233)	245	247	241	237	230	227	223	229	231	231	232	232	232	231	228	1	11 57	251	6 13	210	41
20				230	222	221	222	221	Δ												Δ	[229]	229	231	231	230	229		0					
21		✓		226	222	221	220	221	220	216	221	231	242	246	247	241	231	234	238	235	231	231	231	232	231	230	225	230	0	10 37	248	6 14	212	36
22				223	221	221	220	221	219	212	221	231	240	248	249	241	231	229	230	231	231	231	231	231	230	229	224	229	0	11 00	252	6 25	211	41
23	✓	✓		222	221	220	217	216	214	207	209	226	237	251	260	246	231	232	233	233	231	232	232	231	231	229	223	228	0	11 24	261	6 50	202	59
24	✓			221	220	218	216	214	213	212	210	213	221	233	254	256	232	226	221	221	224	231	231	231	229	229	224	225	0	12 07	261	7 10	207	54
25				221	220	213	211	208	210	208	217	230	232	245	257	261	256	241	231	229	230	232	239	236	234	233	231	230	1	12 28	266	6 18	202	64
26				226	223	220	219	221	219	212	221	231	236	248	254	246	231	221	212	220	226	231	234	233	231	232	229	228	1	11 10	257	15 35	210	47
27				230	227	221	223	222	214	211	222	231	243	257	271	277	263	241	221	213	217	229	231	231	231	230	230	233	1	12 16	281	6 10	209	72
28				230	230	230	228	223	221	221	232	251	250	232	246	249	239	231	221	219	223	233	236	234	231	232	228	232	1	8 52	261	15 58	212	49
29	✓			226	224	223	221	222	216	211	231	231	231	243	243	237	238	231	219	205	215	225	229	230	232	231	231	227	0	11 05	247	16 33	201	46
30				229	226	222	222	221	216	212	226	240	255	259	267	264	253	247	231	224	225	230	233	235	237	235	231	235	1	11 50	272	6 34	209	63
31				228	229	221	221	218	213	201	208	220	241	253	262	259	246	233	219	213	217	222	232	235	236	231	231	229	1	12 10	266	6 21	198	68
MEANS ALL DAYS a)				226	224	221	220	220	216	210	217	229	239	247	254	249	240	234	229	226	228	232	234	234	232	231	228	230						a) 54
MEANS TEN DAYS *				226	224	222	222	221	218	213	219	230	239	248	255	249	239	234	229	224	227	230	232	232	231	230	228	230						50
MEANS FIVE DAYS † (G. M. T.)				225	222	221	220	220	217	211	215	228	239	249	256	249	239	235	232	230	229	231 231	232 232	233	231	230	228	230						
MEANS FIVE DAYS ‡ (G. M. T.)				228	225	219	217	217	211	201	207	219	233	245	251	247	243	240	237	236	235	238	238	236	235	234	231	230						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day December 20

TABLE 406

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JANUARY 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				592	589	593	594	593	592	593	601	642	665	697	724	727	656	627	592	582	589	594	595	591	590	591	592	617	1	11 40	746	16 05	566	180
2			✓	597	590	592	594	590	597	582	584	603	654	682	693	652	612	594	569	584	560	568	565	578	585	585	587	600	1	11 37	713	17 28	545	168
3				588	591	590	595	597	600	598	599	605	641	647	649	659	634	603	587	589	591	589	593	590	588	593	596	605	1	12 42	671	0 02	582	89
4	✓			598	597	598	599	598	602	609	623	639	657	666	669	660	627	598	597	601	603	604	610	611	609	608	608	616	0	11 27	683	14 54	587	96
5	✓			606	604	605	605	605	611	625	638	666	676	680	680	649	603	566	554	567	580	590	598	606	610	612	611	614	0	9 50	694	15 00	551	143
6	✓			613	612	612	614	613	629	636	657	678	693	701	687	639	598	574	570	579	595	608	611	611	615	613	611	624	1	10 46	719	15 28	564	155
7				613	611	608	609	610	615	627	636	668	694	702	718	679	645	607	588	555	567	595	599	598	598	598	598	622	1	11 20	727	17 03	542	185
8				616	623	613	611	610	621	627	637	651	695	697	694	679	618	600	585	584	586	577	587	590	594	602	601	621	1	9 37	743	18 23	568	175
9				592	594	597	595	598	595	593	607	634	655	675	676	655	611	580	565	585	587	581	592	586	591	597	597	606	0	11 06	689	15 11	553	136
10				597	595	599	602	602	603	616	612	636	664	679	677	674	651	634	616	603	598	601	598	598	590	597	597	618	1	10 41	718	21 40	583	135
11				600	603	602	598	596	599	596	599	641	665	697	710	695	635	606	577	591	594	585	576	591	594	597	603	615	1	12 00	742	15 30	564	178
12				596	594	597	605	603	602	595	598	625	650	675	664	663	636	619	612	604	602	590	590	584	591	595	590	612	1	12 03	694	20 30	576	118
13				590	590	589	592	597	601	600	604	630	655	676	677	690	691	677	648	621	595	595	594	601	581	582	588	619	0	12 51	703	21 39	576	127
14				591	594	597	599	599	596	591	600	612	624	641	677	681	683	663	643	626	595	586	600	602	602	604	597	617	0	13 26	696	18 03	572	124
15				602	600	596	614	607	598	583	596	638	(677	709)	734	726	688	651	626	615	607	602	599	598	595	595	592	627	1	12 00	749	6 42	578	171
16				590	593	602	602	604	602	600	611	638	671	695	681	665	613	594	590	596	603	602	593	598	594	593	593	613	1	10 38	719	15 50	582	137
17	✓			594	596	601	601	599	603	607	616	646	674	701	707	672	640	620	611	615	616	607	603	602	605	602	601	622	0	11 08	719	0 31	593	126
18	✓	✓		602	604	601	599	600	605	609	616	641	661	671	647	630	598	569	572	595	610	611	604	604	603	603	605	611	0	10 06	686	14 54	560	126
19	✓	✓		604	604	605	610	609	612	624	638	662	691	717	736	719	692	661	637	623	618	611	607	605	598	602	605	637	0	11 33	740	21 32	596	144
20	✓	✓		605	604	606	609	607	616	623	632	652	669	680	677	658	619	592	589	598	610	612	610	611	615	615	617	622	0	10 21	688	14 58	585	103
21	✓	✓		618	611	613	616	619	625	634	635	642	650	641	624	608	611	614	626	633	626	621	621	621	620	618	615	623	0	9 48	655	12 52	599	56
22	✓	✓		617	615	613	614	617	626	643	671	690	691	674	650	629	610	592	584	598	612	617	617	618	621	624	620	628	0	9 21	697	15 20	581	116
23	✓			619	617	618	622	622	632	647	666	693	703	694	670	625	605	600	609	615	626	621	616	617	623	620	620	633	0	10 07	714	13 50	595	119
24				614	612	619	618	621	627	647	670	707	741	739	679	633	587	554	563	601	616	605	614	618	618	599	(620)	630	1	9 39	758	14 59	538	220
25			✓	[620]	▽							▽	748	718	689	616	585	558	578	591	603	595	592	593	590	593	595		1	[9 35	788]	14 05	524	[264]
26			✓	603	602	606	598	596	608	620	655	703	737	736	709	671	597	567	576	584	571	574	563	578	599	591	596	618	0	10 06	767	14 26	560	207
27			✓	599	604	598	596	604	603	615	641	665	707	696	644	628	591	597	586	586	592	568	574	576	587	594	588	610	1	10 28	738	18 49	553	185
28			✓	583	585	591	599	598	592	593	608	643	693	727	710	688	628	593	572	567	569	591	589	599	602	598	606	614	1	10 56	775	17 12	550	225
29				599	593	593	597	596	595	601	619	656	707	746	758	712	661	626	597	583	583	590	597	598	600	602	600	625	0	10 59	777	17 34	576	201
30				594	594	594	596	597	599	609	632	673	714	738	729	691	658	647	636	621	597	595	595	599	598	600	596	629	0	10 24	744	18 47	588	156
31				594	601	598	596	588	592	603	605	634	669	679	669	671	659	637	627	617	602	594	596	598	596	597	602	618	1	10 21	696	4 40	585	111
MEANS ALL DAYS a)				601	601	602	603	603	607	612	624	650	678	692	687	668	632	609	597	597	597	596	597	599	600	601	602	619						147 a)
MEANS TEN DAYS ✲				608	606	607	609	609	616	626	639	661	676	682	675	649	620	599	595	602	610	610	610	611	612	612	611	623						118
MEANS FIVE DAYS † (G. M. T.)				609	608	608	610	610	617	627	638	657	672	677	667	649	626	606	602	609	615	612 614	609 612	609	608	608	609	623						
MEANS FOUR DAYS b) ‡ (G. M. T.)				596	595	597	597	597	600	602	622	654	698	710	689	660	607	588	576	580	573	575	581	584	592	592	593	611						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day January 25

b) Omitting incomplete Greenwich day January 25

TABLE 407

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1932 — FEBRUARY 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓			601	599	599	599	602	609	610	618	639	664	687	682	675	664	645	638	620	601	602	603	598	600	604	601	623	0	10 37	696	17 58	595	101
2		✓		600	602	602	603	603	607	600	597	616	641	650	643	633	628	626	628	626	628	629	625	634	629	615	612	620	0	10 20	652	7 10	591	61
3			✓	604	610	595	585	583	606	623	631	653	640	685	634	647	613	598	590	595	548	570	566	575	600	569	575	604	1	10 22	733	17 24	524	209
4			✓	582	594	593	593	588	581	587	582	601	630	649	630	658	626	614	597	601	584	572	576	591	590	588	598	600	1	12 06	679	8 48	558	121
5				585	588	581	585	585	593	607	629	657	670	685	653	614	566	570	589	596	593	583	594	592	586	584	584	603	1	10 38	712	13 20	558	154
6				588	584	586	591	594	591	598	614	651	669	686	674	658	593	602	606	602	581	574	585	586	581	580	586	607	1	11 00	705	18 09	563	142
7				586	585	583	586	588	599	600	609	642	650	654	656	638	615	592	578	574	582	590	585	579	582	586	589	601	1	11 29	675	15 49	565	110
8				589	595	595	597	598	597	599	612	628	657	666	693	665	640	599	586	588	596	597	588	592	596	597	596	611	0	11 15	715	15 46	576	139
9				594	590	596	595	598	594	595	615	650	680	700	702	704	644	608	581	565	576	591	598	595	600	589	594	615	0	11 59	732	16 10	558	174
10			✓	590	593	608	602	601	598	602	620	649	688	683	693	670	651	623	594	576	581	582	588	582	601	592	593	615	0	10 07	715	16 29	572	143
11			✓	595	595	598	598	597	597	601	616	652	669	700	718	698	655	648	598	579	569	562	[570]	Δ						11 27	734	[18 24	556	178]
12												Δ	664	695	710	700	674	648	630	600	582	575	583	595	592	588	593		0	11 53	731	[18 52	568	163]
13				590	597	595	594	594	597	598	614	637	654	658	663	665	636	612	607	602	596	590	588	573	569	567	561	607	0	12 27	678	23 37	556	122
14	✓			568	577	580	585	587	584	588	587	603	652	648	666	676	684	656	640	634	606	592	583	581	578	589	590	610	0	13 28	699	0 00	558	141
15	✓			586	584	586	591	595	595	595	596	601	638	651	654	653	644	631	628	620	604	590	592	598	594	592	593	609	0	12 07	665	1 10	584	81
16	✓	✓		595	597	597	597	601	602	606	619	642	667	(687	690)	680	659	640	627	616	604	594	592	591	592	594	594	620	0	[11 49	692]	20 55	591	[101]
17	✓	✓		592	594	594	595	597	601	607	616	629	638	635	643	635	637	637	637	629	620	608	603	604	606	608	609	616	0	11 27	652	0 01	591	61
18	✓			608	606	607	612	615	618	625	637	650	662	670	671	661	651	643	629	608	596	591	590	587	580	585	593	621	1	11 44	686	22 01	571	115
19				598	594	604	610	611	615	628	648	677	699	716	723	695	688	662	654	637	632	624	619	598	603	610	606	640	1	11 23	743	1 19	590	153
20				630	605	599	609	622	611	615	625	661	697	686	647	625	570	562	571	591	597	596	592	594	601	604	603	613	0	10 12	748	14 24	552	196
21				599	600	604	605	601	600	615	640	674	678	673	654	618	602	582	580	592	599	598	599	604	600	600	602	613	1	8 33	689	15 35	575	114
22				602	600	602	594	606	610	611	626	647	680	677	662	646	613	603	602	594	588	577	564	564	580	583	585	609	1	10 26	717	20 16	549	168
23			✓	588	587	590	595	598	602	610	634	663	689	708	708	696	679	586	549	578	595	599	592	582	578	587	596	616	1	11 02	761	15 22	526	235
24				591	590	592	599	600	592	594	608	631	667	700	702	669	624	589	562	573	591	595	590	598	599	592	609	611	1	11 24	716	15 43	554	162
25				605	596	596	599	600	602	606	626	664	707	729	727	715	671	627	617	611	607	601	601	603	606	600	601	630	0	11 04	750	0 58	592	158
26	✓			604	604	601	603	605	601	601	616	642	691	723	746	728	701	668	637	609	597	596	601	604	602	600	600	632	0	11 41	762	17 42	592	170
27	✓	✓		605	604	604	606	610	615	612	609	637	673	707	731	732	712	698	667	635	616	611	610	610	611	610	607	639	0	12 23	749	0 08	603	146
28	✓	✓		603	602	606	607	606	606	597	584	593	632	671	685	702	695	672	642	619	610	606	605	603	604	605	603	623	0	12 33	708	7 59	579	129
29	✓			603	602	604	605	607	607	601	603	628	649	669	691	697	682	666	647	630	618	611	614	612	612	613	611	628	0	12 12	702	6 51	596	106
30																																		
31																																		
MEANS ALL DAYS a)				596	596	596	598	600	601	605	615	639	665	680	679	669	644	623	610	604	598	595	594	594	596	594	596	616						137 a)
MEANS TEN DAYS ✲				596	597	598	600	602	604	604	608	626	657	675	686	684	673	656	639	622	607	600	599	599	598	600	600	622						115
MEANS FIVE DAYS (G. M. T.) †				599	600	601	602	603	606	604	605	623	650	670	678	676	666	655	640	625	616	599 610	600 607	600	600	600	599	622						
MEANS FIVE DAYS (G. M. T.) ‡				592	596	597	595	593	597	605	617	644	663	685	677	674	645	614	586	586	575	577	588	590	602	590	592	612						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-seven days only, omitting incomplete days February 11 and 12

TABLE 408

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1932 — MARCH 1932

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		612	614	614	611	617	619	615	616	640	664	675	679	685	687	685	676	658	639	624	617	613	613	619	623	638	0	13 49	690	3 16	608	82
2				622	622	627	633	636	642	641	642	670	696	689	684	684	672	643	625	592	565	577	589	573	568	568	585	627	1	11 15	772	17 20	550	222
3				586	586	589	582	583	602	584	558	550	588	626	633	629	617	620	606	601	580	564	573	589	599	599	573	592	1	11 28	669	8 15	530	139
4				580	609	590	590	593	589	588	610	626	656	653	674	661	636	622	581	571	551	567	566	586	578	577	577	601	1	11 08	699	17 51	545	154
5				582	579	590	592	591	596	602	626	663	690	693	677	634	611	592	584	564	562	583	556	554	567	577	582	602	1	10 13	734	20 17	547	187
6				584	584	583	585	590	585	586	594	612	648	668	664	657	640	588	581	596	590	596	591	590	598	595	593	604	1	10 57	697	15 18	572	125
7				590	592	588	581	585	591	591	618	657	698	714	683	656	605	600	586	591	569	549	562	580	592	589	570	606	1	10 25	731	18 28	529	202
8				574	577	581	586	585	590	595	619	660	695	708	689	662	615	594	585	587	583	590	592	580	589	591	577	608	1	10 14	741	0 01	568	173
9				592	588	587	586	589	595	602	611	664	681	698	688	661	623	608	592	547	544	567	572	587	576	564	561	603	1	10 47	720	16 21	530	190
10			✓	565	578	586	589	589	589	592	603	643	674	707	686	674	606	573	548	539	562	552	577	558	554	566	566	595	1	10 36	756	14 59	525	231
11				568	585	581	579	578	586	586	598	623	656	674	688	671	641	612	596	588	586	583	591	582	580	580	589	604	1	11 47	699	0 35	565	134
12				586	586	590	591	591	590	586	595	633	659	683	684	668	643	618	605	605	599	590	587	583	582	578	581	609	0	10 16	697	22 43	576	121
13				586	597	594	595	597	599	599	611	642	679	696	690	681	638	605	589	583	594	594	591	591	591	590	587	613	0	10 26	704	16 01	579	125
14	✓			592	593	596	599	597	602	598	612	659	707	721	704	674	629	621	618	609	595	591	594	596	597	593	591	620	1	10 57	733	0 00	587	146
15	✓	✓		588	594	600	599	599	601	602	619	653	701	732	741	727	696	662	641	631	617	610	611	613	612	610	605	636	0	11 18	761	0 24	586	175
16	✓	✓		610	615	614	613	614	614	611	622	656	699	728	(737)	719	688	628	606	604	603	603	603	601	601	601	601	633	0	[11 45	740]	22 56	598	[142]
17	✓			606	602	601	603	605	607	605	616	648	687	717	725	724	701	661	633	627	617	613	615	612	603	617	615	636	0	11 59	735	21 24	598	137
18				602	601	602	613	620	623	622	604	623	648	691	682	686	638	578	566	594	594	591	580	577	582	591	587	612	1	10 30	721	15 17	550	171
19	✓			597	595	593	594	595	599	604	620	647	669	680	697	691	674	640	620	611	601	599	597	599	600	599	601	622	0	11 31	718	2 58	592	126
20				606	602	602	597	599	599	602	616	661	675	700	697	674	643	623	622	622	622	604	589	589	590	583	597	621	0	11 07	719	22 23	566	153
21				593	610	615	600	599	606	607	616	634	666	688	686	661	640	617	597	579	596	588	582	588	594	600	580	614	1	10 12	706	16 30	568	138
22				602	604	597	606	603	596	602	616	649	675	709	727	698	668	609	582	582	597	594	594	595	577	584	590	618	1	11 11	746	21 21	572	174
23	✓			596	595	598	601	598	598	597	621	660	718	752	748	720	670	613	580	585	591	601	590	602	595	596	596	626	0	10 42	766	15 53	575	191
24	✓			594	599	599	600	598	602	607	632	677	720	756	759	725	676	635	606	596	598	606	600	597	596	596	598	632	0	11 00	769	20 19	587	182
25	✓	✓		596	596	597	596	596	599	597	611	652	696	730	745	727	693	648	606	592	600	606	605	603	601	599	602	629	0	11 58	749	16 05	588	161
26	✓	✓		603	601	599	600	602	602	598	610	645	689	726	743	720	683	643	616	606	606	609	607	604	605	605	603	630	0	11 42	747	6 36	594	153
27				605	606	606	607	610	612	615	643	684	735	766	775	755	709	651	625	614	610	615	590	551	540	566	579	636	0	11 20	779	20 53	537	242
28			✓	592	593	585	589	594	601	608	616	670	670	724	699	659	585	540	515	525	558	557	533	528	532	550	569	591	1	10 43	797	15 05	502	295
29			✓	568	570	568	574	588	590	570	581	617	673	687	716	715	655	609	575	587	575	584	576	571	568	575	588	603	1	12 11	729	15 37	552	177
30			✓	611	596	581	584	589	594	596	614	628	659	669	671	636	609	581	550	545	548	524	542	533	559	568	566	590	1	11 14	694	18 48	509	185
31			✓	589	570	580	592	581	578	590	597	623	660	666	672	645	603	565	572	579	574	565	579	579	587	577	577	596	1	9 39	694	14 42	542	152
MEANS ALL DAYS				593	595	595	596	597	600	600	612	644	678	701	701	683	648	616	596	591	588	587	586	584	585	587	587	615						167
MEANS TEN DAYS *				599	600	601	602	602	604	603	618	654	695	722	728	711	680	644	620	612	607	606	604	604	602	604	604	630						150
MEANS FIVE DAYS † (G. M. T.)				602	604	605	604	606	607	605	616	649	690	718	729	716	689	653	629	618	613	605 610	605 609	604	604	602	601	632						
MEANS FIVE DAYS ‡ (G. M. T.)				585	581	580	586	588	590	591	602	636	667	691	689	666	612	574	552	555	563	556	563	554	555	565	573	595						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 409

HORIZONTAL INTENSITY

APRIL 1932 — 29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — APRIL 1932

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				576	579	585	592	594	595	599	621	662	711	715	690	665	625	610	598	571	597	574	566	561	547	569	567	607	1	9 50	737	21 22	524	213
2			✓	567	564	578	583	581	584	590	618	638	667	694	676	663	625	566	570	577	591	576	564	571	586	593	579	600	1	10 11	709	14 53	550	159
3				583	574	579	581	583	593	604	618	657	685	693	692	686	614	607	574	558	563	581	581	573	588	588	572	605	1	10 48	703	15 58	554	149
4				589	600	587	600	599	597	599	618	636	669	683	686	640	617	586	578	570	558	571	567	552	563	593	572	601	1	11 09	709	20 14	542	167
5				570	574	591	584	585	590	600	631	681	698	687	691	666	643	612	597	584	579	577	583	580	595	586	605	612	1	9 34	708	0 00	566	142
6				579	579	591	598	590	589	590	608	646	692	713	707	672	624	608	594	565	572	576	557	554	592	574	563	606	0	10 41	729	20 36	548	181
7			✓	571	589	594	581	588	609	607	609	643	653	657	666	649	628	601	587	579	584	568	537	549	566	570	582	599	1	11 45	683	19 10	532	151
8				593	580	579	587	588	589	589	610	651	687	692	693	687	652	587	577	581	579	585	582	573	585	585	579	608	0	10 29	702	21 11	558	144
9	✓			585	589	583	585	590	593	596	603	633	661	690	701	685	642	602	590	594	596	585	589	587	591	587	594	610	0	11 00	717	22 05	578	139
10	✓			590	599	598	591	590	590	588	601	652	690	723	737	703	642	596	562	566	577	586	580	586	584	585	585	613	0	11 22	750	15 42	554	196
11	✓			592	588	588	591	593	592	590	603	639	675	701	708	705	675	637	608	588	580	574	574	580	582	593	588	614	0	12 20	713	18 26	572	141
12	✓	✓		587	588	588	592	596	600	599	607	638	662	704	700	694	674	641	616	599	593	598	596	594	593	595	596	619	0	10 35	709	0 00	583	126
13			✓	605	604	604	610	620	627	631	622	655	696	734	698	639	621	614	575	544	554	559	569	586	582	587	575	613	1	10 51	781	16 10	534	247
14				575	593	591	593	600	593	583	585	605	629	628	652	659	633	628	617	□		□	585	581	□				1	12 12	698			
15										□	612	629	656	675	677	669	657	630	591	597	602	596	593	589	593	603	595			[11 22	691]			
16	✓			587	596	595	597	600	596	593	597	619	656	685	681	673	642	627	621	616	609	593	590	584	595	593	593	614	1	10 23	719	20 38	582	137
17				593	597	588	590	607	606	593	591	619	655	680	680	659	640	625	619	605	604	599	579	586	583	612	593	613	1	11 12	723	19 28	571	152
18				600	592	593	590	589	588	600	613	632	652	653	621	609	602	599	604	590	572	560	574	582	600	595	596	600	1	10 07	666	18 03	553	113
19	✓	✓		597	598	600	604	608	611	617	628	652	677	685	675	656	639	611	599	597	597	596	595	596	598	599	596	618	0	10 05	697	20 53	593	104
20	✓	✓		600	599	604	606	600	603	603	622	655	689	710	705	683	650	618	604	601	602	600	600	598	599	599	598	623	0	10 43	714	4 06	597	117
21	✓	✓		599	600	604	602	602	600	602	625	671	722	749	744	703	645	606	589	594	601	604	601	601	603	604	604	628	0	11 04	754	15 43	587	167
22				609	615	607	619	628	626	595	630	660	716	753	734	715	664	624	597	590	588	580	588	593	595	606	593	630	1	10 24	767	18 50	574	193
23			✓	586	594	601	606	(601)	604	570	544	591	641	684	720	710	680	628	597	568	572	562	546	531	548	574	561	601	1	11 41	737	20 34	524	213
24			✓	571	582	587	584	585	612	575	555	584	625	702	701	718	664	616	604	591	565	545	559	585	572	577	590	602	1	12 31	749	18 40	541	208
25				586	583	579	586	590	583	580	586	610	639	677	687	663	634	593	580	581	570	553	575	567	566	587	574	597	1	11 08	695	18 49	544	151
26				594	582	579	587	592	579	579	571	593	619	659	679	655	627	608	591	574	580	568	560	561	577	573	578	594	1	11 17	701	20 33	551	150
27				580	574	579	587	582	581	594	605	632	656	684	697	686	660	614	591	592	589	588	572	586	587	577	581	607	1	11 27	716	23 06	567	149
28				582	592	590	589	591	598	602	605	624	626	640	645	650	635	630	602	586	574	581	579	580	581	590	579	602	1	12 38	660	20 10	569	91
29	✓			591	591	588	587	585	589	593	593	607	632	633	636	620	592	598	608	605	595	592	590	585	586	590	584	599	1	9 55	647	13 46	573	74
30	✓	✓		578	595	588	590	589	593	602	603	613	632	649	666	658	624	617	612	606	601	596	591	588	582	581	584	606	0	11 57	688	0 14	573	115
31																																		
MEANS ALL DAYS a)				587	589	590	593	594	597	596	605	635	667	690	690	672	639	610	594	585	584	580	577	577	583	588	584	609						a) 153
MEANS TEN DAYS *				591	594	594	594	595	597	598	608	638	670	693	695	678	642	615	601	597	595	592	591	590	591	593	592	614						132
MEANS FIVE DAYS † (G. M. T.)				592	596	597	599	599	601	605	617	646	676	699	698	679	646	619	604	599	599	584 599	587 597	588	593	595	592	618						
MEANS FIVE DAYS ‡ (G. M. T.)				580	587	593	593	595	607	595	590	622	656	694	692	676	644	605	587	572	573	562	571	567	575	584	576	604						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

a) Twenty-eight days only, omitting incomplete days April 14 and 15

TABLE 410

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1932

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			590	596	595	600	602	609	616	631	659	687	714	731	725	700	660	628	617	607	588	567	567	564	575	583	625	0	11	13	741	21	23	559	182
2				588	595	596	600	606	612	624	635	643	686	710	705	688	644	628	590	552	531	518	544	578	556	544	547	605	0	10	51	717	18	50	511	206
3				554	561	575	582	585	581	589	605	635	677	717	719	687	637	593	573	573	578	585	587	588	580	580	581	605	0	11	18	726	0	07	547	179
4			✓	592	589	590	600	589	591	599	608	640	672	701	716	699	619	564	557	550	555	550	547	574	581	577	578	602	1	12	03	733	19	40	540	193
5			✓	586	585	593	585	591	594	599	612	639	670	677	658	642	640	629	604	579	564	569	572	578	586	585	575	605	1	10	32	688	17	35	557	131
6				577	576	580	583	587	578	586	597	611	646	663	679	683	658	612	569	569	576	592	585	581	590	588	596	603	1	9	58	689	15	42	561	128
7	✓			581	586	587	588	592	594	601	609	627	651	678	690	686	660	627	599	586	583	581	590	588	584	582	586	610	0	11	55	694	0	32	578	116
8	✓	✓		586	588	590	591	592	595	600	610	629	659	691	711	715	691	649	611	590	583	588	589	594	593	593	593	618	0	12	02	727	17	15	579	148
9	✓	✓		595	596	600	599	604	607	609	620	641	675	701	716	703	676	638	611	600	603	606	615	613	610	609	606	627	0	11	51	721	0	06	593	128
10				608	607	605	612	610	611	613	626	655	657	681	695	698	689	656	633	620	599	575	562	577	584	584	613	624	1	12	28	702	19	36	553	149
11				612	612	615	617	616	617	611	605	631	648	662	663	676	664	623	608	595	590	589	588	584	588	595	595	617	1	10	28	710	20	46	580	130
12	✓			594	609	600	608	604	605	605	609	622	641	662	675	668	656	626	609	603	605	602	603	599	590	597	595	616	1	11	24	686	23	56	583	103
13				592	596	593	598	602	606	606	607	629	654	667	685	696	674	648	631	608	604	604	594	590	583	590	597	619	1	12	46	705	21	38	577	128
14				600	599	600	610	604	604	604	604	609	629	641	661	681	677	652	628	608	594	587	587	598	604	604	598	616	1	13	20	692	19	18	573	119
15				599	596	601	604	602	597	590	574	586	635	665	674	685	665	621	599	593	595	598	595	597	595	600	621	612	1	10	34	695	7	17	569	126
16				600	602	601	589	589	596	602	615	624	630	651	675	675	647	624	611)	602	595	581	578	582	590	590	592	610	1	11	32	690	19	51	573	117
17	✓			598	596	592	595	604	601	604	617	645	666	669	673	659	637	613	600	597	597	596	593	594	595	597	592	614	0	11	16	678	22	52	590	88
18	✓	✓		592	594	596	596	597	604	616	627	650	663	677	683	654	635	621	611	603	597	594	592	593	590	593	598	616	0	11	30	690	21	50	587	103
19	✓	✓		595	597	600	596	595	598	606	629	655	680	695	697	691	661	633	612	597	590	592	596	597	596	598	599	621	0	11	18	701	18	08	589	112
20	✓	✓		599	600	599	599	600	604	609	627	652	686	716	727	715	681	645	621	613	613	611	612	611	610	606	609	632	0	11	20	729	2	50	598	131
21				613	623	623	611	613	593	584	572	615	630	686	697	682	649	619	602	585	586	593	582	584	581	583	587	612	1	11	26	701	6	59	555	146
22				589	591	583	589	593	591	581	579	583	623	638	642	655	651	628	612	602	597	593	593	591	592	593	594	603	1	12	02	664	8	17	564	100
23				596	599	602	609	611	614	616	618	631	625	653	653	661	644	619	580	579	575	597	598	596	591	588	587	610	1	12	39	672	17	20	568	104
24				579	584	587	593	599	595	605	604	612	637	656	671	678	671	660	634	613	604	587	561	568	573	582	576	610	0	12	32	682	19	37	545	137
25			✓	607	588	580	593	594	590	598	614	642	661	690	697	685	660	630	604	591	582	575	566	571	576	593	591	612	1	11	40	705	19	44	562	143
26	✓			590	588	603	602	599	599	600	597	615	642	677	692	700	670	632	608	598	594	595	588	590	592	587	594	615	1	12	30	710	19	50	583	127
27				589	592	595	590	592	595	605	626	644	659	677	683	672	658	627	609	595	582	585	581	582	592	580	602	613	0	11	38	696	22	40	561	135
28				592	597	597	594	594	601	612	623	635	651	659	682	676	659	620	575	581	578	589	582	580	589	579	578	609	1	11	40	691	17	15	564	127
29			✓	579	583	592	601	598	602	602	609	577	577	589	596	619	581	541	475	435	436	444	501	463	442	425	468	539	2	11	48	689	22	59	404	285
30			✓	494	511	522	508	520	535	550	572	574	570	564	585	589	567	554	553	538	541	545	541	545	539	537	547	546	2	11	30	627	0	24	452	175
31				545	555	556	573	566	563	575	595	613	611	617	634	623	612	594	590	586	575	567	566	568	570	572	575	583	1	11	47	653	0	15	538	115
MEANS ALL DAYS				587	590	592	594	595	596	601	609	627	648	669	680	676	653	622	598	586	581	580	579	581	581	581	586	608								139
MEANS TEN DAYS ✱				592	595	596	597	599	602	607	618	640	665	688	700	692	667	634	611	600	597	595	594	595	592	594	596	619								124
MEANS FIVE DAYS † (G. M. T.)				593	595	597	596	598	602	608	623	645	673	696	707	696	669	637	613	601	597	590 598	592 601	593	592	593	594	621								
MEANS FIVE DAYS ‡ (G. M. T.)				572	571	575	577	578	582	590	603	614	630	644	650	647	613	584	559	539	536	537	556	555	553	549	556	582								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 411

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1932

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				575	576	582	580	580	584	597	608	620	634	639	638	632	619	600	590	587	580	584	587	585	582	579	570	596	0	10 18	649	23 48	565	84
2				581	591	590	590	593	599	601	609	614	635	649	662	649	630	626	608	594	590	587	582	585	591	593	589	606	1	11 24	666	0 07	564	102
3	✓	✓		589	592	596	595	597	599	607	617	634	659	677	667	646	620	599	587	592	591	591	592	591	591	594	599	609	0	10 23	681	15 24	584	97
4	✓	✓		595	597	600	602	603	603	601	598	610	631	642	651	647	635	613	609	606	601	599	598	597	596	593	592	609	0	11 29	654	22 48	589	65
5	✓			591	599	604	604	604	609	622	636	660	689	714	720	708	678	652	631	616	606	604	604	603	601	602	605	632	0	11 12	723	0 25	589	134
6				607	603	610	607	605	612	614	620	643	669	695	698	680	650	628	613	612	607	596	594	598	600	607	609	624	0	10 35	708	18 48	592	116
7				611	617	619	611	602	616	605	604	618	666	676	689	683	644	628	621	610	594	589	573	592	583	589	592	618	1	10 12	709	19 46	567	142
8			✓	595	592	589	594	599	603	603	603	633	674	685	679	672	641	632	590	560	576	566	568	565	595	591	586	608	1	10 01	724	16 38	552	172
9			✓	588	589	592	594	593	594	605	618	643	671	698	699	677	641	618	605	602	592	592	583	581	581	579	591	614	1	11 20	713	23 15	570	143
10			✓	593	585	589	595	594	590	598	610	634	659	673	681	668	650	628	604	587	584	584	577	584	598	592	591	610	1	11 50	693	18 50	572	121
11			✓	589	592	595	596	606	603	596	591	580	606	639	628	644	637	625	612	600	593	588	583	584	597	595	594	603	1	10 33	659	8 15	571	88
12				593	594	597	600	602	608	613	617	627	647	653	662	653	646	635	613	604	600	598	595	597	596	592	587	614	0	11 16	671	23 42	585	86
13				596	598	597	598	599	600	594	588	582	599	617	621	645	642	631	618	606	602	603	599	598	598	600	600	605	1	12 25	649	8 21	573	76
14	✓			601	603	603	606	605	607	619	638	660	683	689	687	669	649	628	612	608	604	604	605	604	603	603	601	625	0	11 04	693	0 05	599	94
15	✓	✓		602	602	604	606	613	613	616	621	633	651	673	678	666	653	645	638	620	604	599	601	604	607	606	606	623	0	11 21	682	19 11	598	84
16	✓			605	604	609	613	613	614	622	635	(658	676)	687	689	681	665	639	629	613	609	603	603	601	601	599	601	628	0	11 32	695	22 39	598	97
17	✓			602	607	609	612	613	616	628	639	653	670	683	697	697	677	656	634	620	616	617	617	616	611	607	608	634	0	12 22	710	0 10	599	111
18	✓			611	611	612	610	611	616	618	625	638	652	663	680	674	667	648	630	622	616	611	603	604	603	603	605	626	0	11 39	683	22 10	602	81
19				608	612	616	619	620	620	635	648	666	682	691	702	704	696	665	642	612	600	600	601	605	619	606	605	636	0	13 08	710	17 57	596	114
20			✓	604	607	609	613	613	610	619	633	631	647	646	661	630	620	597	591	589	589	590	589	590	600	599	598	611	1	11 21	671	15 02	581	90
21				603	605	605	611	617	615	616	634	655	678	691	681	679	675	665	639	608	587	595	589	587	588	596	591	625	0	10 21	697	17 33	575	122
22				612	590	588	590	594	596	589	591	598	(632	658)	685	678	660	626	(613)	603	600	594	594	598	589	589	587	611	1	11 22	708	6 46	583	125
23				590	604	605	599	599	599	602	611	619	629	644	652	657	657	650	631	611	600	598	595	593	597	598	600	614	0	13 03	660	0 47	588	72
24				601	605	609	613	611	612	617	622	633	660	681	684	668	653	634	609	613	610	608	606	604	603	603	603	623	0	11 07	692	0 25	600	92
25				604	606	609	612	613	617	629	638	658	689	707	707	669	645	649	638	617	610	610	604	601	602	603	602	631	0	11 10	724	23 45	599	125
26				600	604	605	608	614	627	626	643	657	670	683	691	686	671	655	634	616	608	605	600	599	599	596	601	629	0	11 11	706	22 20	593	113
27		✓		602	607	609	609	610	611	621	628	627	633	645	657	658	648	630	628	616	605	603	602	605	607	609	612	620	0	12 06	664	0 10	600	64
28	✓	✓		612	610	611	612	615	618	630	651	658	663	673	675	666	664	661	648	631	618	615	616	615	615	616	614	634	0	11 20	682	1 12	610	72
29				613	614	623	618	613	615	631	644	638	638	644	652	654	648	643	636	627	608	605	608	608	608	609	611	625	0	12 27	658	18 04	602	56
30	✓			612	612	612	614	616	617	630	648	665	678	700	685	669	653	632	618	613	608	607	607	608	608	607	606	630	0	10 20	703	24 00	605	98
31																																		
MEANS ALL DAYS				599	601	603	604	606	608	613	622	635	656	670	675	667	651	635	619	607	600	598	596	597	599	598	599	619						101
MEANS TEN DAYS *				602	604	606	607	609	611	619	631	647	665	680	683	672	656	637	624	614	607	605	605	604	604	603	604	625						93
MEANS FIVE DAYS † (G. M. T.)				600	602	604	605	608	609	615	623	632	647	662	666	657	644	630	622	613	604	598 601	596 602	597	598	599	600	618						
MEANS FIVE DAYS ‡ (G. M. T.)				594	593	595	598	601	600	604	611	624	651	668	670	658	638	620	600	588	587	584	580	585	595	591	593	610						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 412

HORIZONTAL INTENSITY

JULY 1932 — JULY 1932

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓			603	607	612	613	614	615	627	651	675	687	681	666	657	647	645	639	626	620	616	616	615	617	622	623	633	0	9 50	689	0 30	602	87
2	✓			620	618	616	614	619	626	633	644	658	676	686	680	669	663	648	628	614	608	610	611	609	612	614	615	633	0	10 13	695	17 20	607	88
3	✓	✓		617	617	616	619	621	623	629	643	658	679	693	696	694	678	662	644	630	624	624	623	621	621	623	616	640	0	12 09	700	23 33	611	89
4				616	617	614	620	631	641	655	682	706	745	747	733	711	687	651	627	635	643	628	628	622	616	619	622	654	1	9 20	768	20 41	608	160
5			✓	621	627	628	630	631	636	646	666	688	698	715	715	731	691	654	628	619	595	604	594	602	598	594	588	642	1	12 39	752	24 00	567	185
6			✓	600	604	589	586	604	605	593	610	622	613	641	652	633	617	608	612	603	594	579	575	582	584	597	586	604	1	10 53	667	18 50	564	103
7			✓	595	607	602	593	591	593	607	616	631	637	648	655	656	631	618	609	600	594	587	588	595	592	595	591	610	1	12 30	663	19 24	584	79
8			✓	605	603	602	603	600	615	614	626	641	658	689	703	695	653	622	609	604	604	593	597	605	598	596	594	622	0	11 27	717	18 23	591	126
9				605	600	601	599	600	603	608	614	629	638	655	668	679	653	635	621	603	586	592	597	601	596	586	598	615	0	12 37	691	17 22	582	109
10				608	607	602	603	603	603	615	631	646	657	678	662	647	633	610	605	606	607	609	605	607	607	603	605	619	1	10 35	688	5 08	599	89
11				604	602	603	607	609	612	619	627	626	632	644	657	655	641	631	620	611	607	604	603	603	605	602	610	618	0	11 52	672	23 25	599	73
12	✓			604	598	599	603	607	612	622	629	640	654	670	672	662	646	621	599	607	607	607	605	604	602	599	600	620	0	11 06	680	15 21	594	86
13	✓	✓		597	603	603	607	609	610	614	626	645	663	671	673	671	659	640	623	613	608	605	605	606	606	607	608	624	0	11 32	676	0 27	596	80
14	✓	✓		608	610	613	613	616	616	624	641	656	673	674	669	662	641	626	614	607	610	607	605	607	608	610	608	626	0	9 42	683	19 39	603	80
15				609	612	615	613	615	616	625	641	661	680	677	662	650	650	651	639	620	609	(615)	614	620	621	622	615	631	0	9 11	683	[17 44	606	77]
16			✓	605	592	623	624	619	618	627	618	617	572	620	631	636	654	648	612	584	584	579	578	577	567	580	600	607	2	13 07	659	9 17	540	119
17				604	601	601	603	600	601	615	625	634	652	664	663	645	634	628	627	617	604	599	597	594	602	609	604	618	1	11 05	668	20 29	591	77
18				603	604	605	607	610	613	622	631	637	651	673	682	676	644	625	615	607	603	601	600	600	603	601	606	622	0	11 56	697	22 56	596	101
19				600	607	612	608	607	609	619	634	661	675	676	671	661	645	629	624	605	599	601	605	601	607	604	605	624	0	11 12	688	17 15	595	93
20				603	603	604	605	605	608	617	627	636	648	662	674	666	666	657	641	620	609	599	600	601	599	605	610	624	0	11 25	679	18 46	596	83
21				610	611	614	615	615	616	627	636	640	641	651	663	678	684	676	642	605	602	600	604	606	606	609	611	628	0	13 19	690	16 43	595	95
22	✓			607	610	613	615	613	613	626	642	655	678	702	721	716	689	668	641	614	602	600	606	609	604	604	605	636	0	11 41	723	18 39	599	124
23	✓			607	605	606	609	613	617	629	636	657	681	693	702	697	675	656	642	625	614	608	606	606	606	609	610	634	0	11 43	706	1 20	602	104
24				612	610	608	612	615	616	617	621	636	660	675	691	680	672	655	635	617	607	605	612	610	610	610	611	629	0	11 53	701	18 32	603	98
25				609	612	611	612	616	616	623	634	648	659	669	674	668	651	656	653	633	624	619	614	608	611	599	602	630	0	11 32	676	22 42	595	81
26				607	610	604	613	609	611	622	641	660	683	703	698	700	676	648	629	616	610	607	607	606	606	608	606	632	0	10 54	712	0 07	598	114
27				608	605	610	606	603	606	608	621	642	675	695	697	695	672	639	610	595	599	602	597	598	599	598	599	624	0	10 50	703	16 47	593	110
28	✓	✓		601	602	604	607	608	612	621	641	649	667	688	694	694	687	663	644	623	609	607	606	603	606	609	610	631	0	12 48	697	0 59	599	98
29	✓	✓		611	610	611	613	619	622	628	635	647	666	683	680	670	660	644	632	625	621	613	611	610	611	608	608	631	0	10 24	685	23 09	606	79
30				609	612	613	614	619	622	628	639	653	662	677	679	683	665	657	636	629	607	595	597	607	600	595	595	629	1	12 21	688	18 21	591	97
31				594	589	586	591	592	601	606	623	650	685	688	669	665	639	628	623	617	618	611	599	578	582	593	599	618	0	10 37	708	20 59	572	136
MEANS ALL DAYS				607	607	608	609	611	614	621	634	649	663	677	679	674	658	642	627	614	607	604	603	604	603	604	605	626						101
MEANS TEN DAYS ✱				608	608	609	611	614	617	625	639	654	672	684	685	679	664	647	631	618	612	610	609	609	609	610	610	631						92
MEANS FIVE DAYS † (G. M. T.)				607	608	609	612	615	617	623	637	651	670	682	682	678	665	647	631	620	614	606 611	605 610	604	605	605	606	629						
MEANS FIVE DAYS ‡ (G. M. T.)				605	607	609	607	609	613	617	627	640	636	663	671	670	649	630	614	602	594	588	600	604	602	605	600	619						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 413

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1932

AUGUST 1932

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				599	600	599	602	607	614	616	622	630	649	663	677	668	650	629	624	601	588	584	593	585	601	594	593	616	0	10	08	693	20	20	576	117
2			✓	598	593	596	597	603	611	621	633	654	676	688	662	665	624	627	616	578	585	587	590	601	590	601	608	617	1	10	12	722	16	30	555	167
3			✓	605	602	627	606	594	612	616	601	612	631	648	659	646	640	628	607	592	579	561	592	591	595	604	615	611	1	11	41	679	18	39	558	121
4				594	592	598	603	608	597	602	601	612	623	636	645	652	658	649	631	615	607	605	604	603	605	601	599	614	1	11	19	669	0	56	590	79
5				607	592	590	600	609	611	612	627	657	687	713	716	693	663	632	606	590	587	590	589	591	589	599	600	623	0	11	21	721	16	59	584	137
6	✓			599	601	602	601	602	604	607	612	623	6[illegible]2	659	665	660	657	647	625	612	595	595	598	600	599	598	600	617	0	10	49	672	17	40	589	83
7	✓			602	603	604	606	607	610	612	617	640	648	665	670	669	665	652	636	618	601	595	598	598	606	606	605	622	0	11	50	673	18	16	594	79
8				602	604	600	599	604	610	621	640	663	672	678	693	688	672	650	636	616	607	604	604	601	603	605	614	629	0	11	45	701	3	30	597	104
9				597	591	593	600	590	595	604	614	636	661	683	693	687	665	643	621	605	598	599	598	595	597	598	600	619	0	11	45	696	4	28	587	109
10	✓	✓		602	602	603	609	609	615	624	633	647	660	677	685	680	673	660	643	628	616	612	608	609	611	612	614	630	0	11	39	687	1	56	600	87
11				613	615	615	616	618	621	631	637	644	655	668	681	685	688	677	661	646	622	599	577	565	567	569	583	627	0	13	10	695	20	30	561	134
12				591	602	608	617	624	636	657	664	671	685	680	680	682	673	661	647	626	611	600	598	594	602	604	605	634	1	10	20	714	0	14	586	128
13				609	609	616	614	611	614	621	631	656	675	685	692	674	641	631	620	600	591	583	593	598	603	604	606	624	1	11	18	698	18	15	578	120
14				602	616	610	611	608	615	625	632	644	664	684	696	696	684	666	639	615	600	600	602	601	600	601	602	630	0	12	43	703	17	38	597	106
15	✓			603	610	610	614	615	618	626	635	653	665	675	677	680	669	647	628	616	602	597	590	593	603	604	604	626	0	12	40	691	19	55	587	104
16	✓	✓		603	604	607	609	610	612	619	626	643	665	682	688	684	666	652	640	624	611	610	608	608	611	611	614	629	0	11	07	691	0	02	601	90
17	✓	✓		615	615	615	613	621	624	627	635	644	660	668	685	684	671	653	646	625	610	606	605	608	611	611	612	632	0	11	33	691	19	37	601	90
18	✓	✓		609	610	608	610	613	613	615	625	642	664	689	703	698	680	658	644	626	616	611	608	611	612	611	611	633	0	11	33	705	1	44	606	99
19	✓	✓		613	615	617	618	623	625	621	618	637	649	661	679	685	686	672	649	628	612	610	610	611	611	610	611	632	0	13	17	693	22	16	608	85
20				611	613	613	613	615	618	622	637	651	671	682	689	688	683	674	667	649	633	622	629	620	611	602	597	638	0	12	18	694	24	00	584	110
21				580	590	594	598	605	605	615	626	638	639	638	624	644	648	651	639	625	599	578	579	590	594	599	601	612	1	13	46	658	18	55	572	86
22				603	608	615	615	619	620	630	651	659	642	662	693	661	661	645	626	604	593	594	594	595	597	597	599	624	1	11	50	702	17	39	589	113
23				607	604	602	603	602	602	610	618	632	648	650	656	663	666	658	639	615	603	598	594	598	599	600	601	620	1	10	23	680	19	12	591	89
24	✓			601	601	602	605	606	608	609	615	624	634	648	652	644	637	626	619	611	599	598	596	594	595	599	609	614	0	10	47	663	20	00	592	71
25	✓			604	600	608	606	608	613	619	632	646	663	683	691	686	672	660	648	635	619	612	612	609	606	608	605	631	0	11	45	698	1	21	598	100
26				605	608	612	608	610	615	617	620	625	628	636	639	638	632	634	633	625	610	606	610	609	603	604	608	618	0	12	10	643	21	14	601	42
27			✓	613	602	586	588	595	590	586	603	641	650	675	625	639	611	588	614	607	536	540	559	580	575	537	568	596	1	9	00	695	17	52	494	201
28			✓	591	596	566	575	592	594	581	592	616	632	657	656	618	633	634	621	604	581	557	564	567	588	576	602	600	1	11	46	675	18	31	543	132
29			✓	594	584	598	590	584	600	605	595	609	639	652	652	642	636	620	589	579	586	580	571	586	598	590	581	602	1	10	49	675	16	55	562	113
30				590	585	585	592	595	595	603	621	655	664	685	670	652	633	615	601	586	581	584	583	575	585	594	597	609	1	10	18	698	20	37	573	125
31				590	587	596	596	594	599	603	621	646	662	670	672	652	631	619	617	601	594	591	588	589	595	590	589	612	0	11	24	686	0	51	583	103
MEANS ALL DAYS				602	602	603	604	606	610	615	624	640	655	669	673	668	657	644	630	613	599	594	595	596	599	598	602	621								107
MEANS TEN DAYS ✱				605	606	608	609	611	614	618	625	640	655	671	680	677	668	653	638	622	608	605	603	604	606	607	608	627								89
MEANS FIVE DAYS † (G. M. T.)				608	609	610	612	615	618	621	627	643	660	675	688	686	675	659	644	626	613	605 610	602 608	603	607	607	608	630								
MEANS FIVE DAYS ‡ (G. M. T.)				600	595	595	591	594	601	602	605	626	646	664	651	642	629	619	609	592	573	565	583	588	591	582	596	606								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 414

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

SEPTEMBER 1932 — SEPTEMBER 1932

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				598	598	590	592	599	605	610	618	624	637	653	661	632	634	629	618	605	592	580	563	569	583	590	594	607	1	11 09	677	19 57	557	120
2				592	590	594	593	596	602	614	625	642	673	676	686	684	671	650	624	599	588	586	588	591	591	594	592	618	0	11 48	695	18 44	585	110
3	✓	✓		590	592	594	597	601	605	613	633	654	686	711	714	702	685	665	630	602	595	599	595	592	598	593	588	626	0	10 46	723	23 40	587	136
4	✓			593	594	598	598	602	606	615	634	660	686	705	708	698	683	654	619	599	598	603	606	606	604	606	604	628	0	11 27	712	0 01	590	122
5				604	605	607	607	605	608	616	629	661	701	726	722	713	689	668	646	624	610	598	597	597	606	609	618	636	0	10 27	737	19 56	592	145
6			✓	599	613	598	605	605	613	597	592	590	565	567	553	582	627	621	611	587	576	575	577	575	577	578	580	590	1	13 12	635	11 46	531	104
7				580	585	583	582	582	589	597	611	625	642	663	669	661	649	639	629	602	592	600	599	598	584	598	570	610	0	11 06	677	23 53	555	122
8			✓	577	574	576	581	591	598	610	634	660	684	694	697	681	639	639	600	602	594	582	575	585	606	580	589	614	1	11 35	710	0 00	564	146
9				606	592	587	589	594	596	604	624	653	676	699	696	676	656	637	615	599	592	590	590	593	595	597	597	619	1	10 14	709	2 35	583	126
10	✓	✓		598	599	599	600	604	605	611	623	646	671	681	684	678	674	667	645	618	599	605	601	588	592	596	596	624	0	11 04	688	20 36	584	104
11	✓	✓		603	602	603	607	608	611	622	633	637	636	638	647	660	662	651	634	617	608	606	604	606	605	602	598	621	0	13 03	666	24 00	595	71
12	✓			595	599	601	603	606	608	614	623	641	664	673	681	683	671	656	639	619	600	605	606	604	606	603	607	625	0	12 27	691	0 12	593	98
13	✓			600	600	607	613	615	615	620	632	647	677	673	687	677	657	641	635	624	615	614	608	607	607	612	608	629	0	11 41	706	1 56	598	108
14	✓			611	621	615	612	617	618	617	634	663	693	713	715	697	675	651	629	615	605	609	606	603	606	607	606	635	0	11 08	719	20 16	602	117
15				604	606	606	612	616	617	620	637	677	713	735	736	721	697	675	(652)	628	605	607	608	610	615	614	613	643	0	11 19	740	17 51	598	142
16		✓		612	611	615	619	620	620	618	637	667	701	(716)	723	717	697	677	661	639	618	616	615	613	612	610	608	643	0	12 09	729	23 54	606	123
17	✓	✓		608	611	615	619	618	617	611	616	641	668	680	690	675	652	639	638	634	624	615	608	609	609	611	615	630	0	11 10	701	20 01	603	98
18				612	602	600	605	611	612	619	641	666	697	739	715	712	685	661	638	625	586	566	571	569	577	586	592	629	0	10 39	758	18 12	552	206
19				588	586	582	587	592	601	595	597	646	710	720	715	704	668	627	609	596	590	596	592	600	599	577	576	619	1	10 29	747	22 41	573	174
20				582	586	587	601	591	594	591	605	643	678	685	708	710	685	654	625	604	594	587	593	591	587	578	589	619	1	11 51	718	0 00	575	143
21	✓			596	589	594	595	597	598	597	611	645	675	697	708	702	686	651	621	602	593	598	597	600	601	590	582	622	0	11 35	712	23 56	573	139
22				575	585	596	598	595	602	591	576	593	643	703	709	708	684	655	618	583	581	584	586	584	590	594	588	613	1	10 43	724	7 26	562	162
23			✓	586	587	590	601	620	613	590	576	598	601	673	672	665	618	587	573	575	577	555	553	569	577	584	581	597	1	10 36	695	19 36	544	151
24			✓	601	606	585	594	596	597	605	618	599	644	618	646	671	658	639	628	606	581	588	578	586	592	571	580	608	1	12 58	689	20 14	558	131
25			✓	599	601	595	589	596	597	592	598	614	649	628	662	658	646	629	596	574	557	571	586	599	579	578	590	603	1	11 44	701	17 37	544	157
26				595	586	583	587	592	589	587	597	618	644	668	689	695	692	667	624	592	579	573	588	584	572	581	579	611	1	12 26	703	19 12	561	142
27				581	584	587	590	594	598	606	618	646	658	672	681	678	653	614	608	597	591	588	583	580	580	585	582	611	1	11 29	689	0 10	577	112
28	✓			581	580	580	584	592	588	589	603	631	658	676	680	664	648	621	609	602	597	597	587	575	594	597	598	610	0	11 12	691	20 22	559	132
29				596	598	600	601	599	611	622	638	670	707	731	738	704	665	625	596	588	581	570	578	575	572	573	581	622	0	11 41	744	19 08	566	178
30				581	585	592	590	594	594	601	630	671	712	731	719	706	673	642	614	590	587	592	588	593	594	596	592	624	0	10 52	745	16 55	578	167
31																																		
MEANS ALL DAYS				595	596	595	598	602	604	606	618	641	668	685	690	684	666	644	623	605	593	592	591	592	594	593	593	620						133
MEANS TEN DAYS ✻				598	599	601	603	606	607	611	624	646	671	685	691	684	669	650	630	613	603	605	602	599	602	602	600	625						112
MEANS FIVE DAYS (G. M. T.) †				602	603	605	608	610	612	615	628	649	672	685	692	686	674	660	642	622	609	601 608	600 605	599	601	602	601	629						
MEANS FIVE DAYS (G. M. T.) ‡				592	596	589	594	602	604	599	604	612	629	636	646	651	638	623	602	589	577	574	583	587	590	591	587	604						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 415

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1932

OCTOBER 1932

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			592	598	597	598	597	598	609	638	672	705	721	717	687	645	606	589	594	605	608	608	609	604	597	601	625	0	11 03	733	15 39	584	149
2				599	595	605	600	600	594	598	606	640	683	715	724	714	676	633	606	592	595	599	592	588	596	588	590	622	0	12 02	734	22 36	582	152
3				586	588	594	601	602	602	594	613	640	677	706	703	700	674	646	624	613	598	600	594	592	591	589	591	622	0	10 56	723	0 03	584	139
4				594	600	604	610	611	611	599	601	639	707	753	757	747	702	656	623	607	595	598	600	604	606	608	611	635	0	10 40	806	7 49	589	217
5	✓			615	609	609	610	608	606	594	604	641	682	712	730	715	690	670	639	610	597	603	607	609	607	602	604	632	0	12 04	743	6 44	590	153
6	✓	✓		605	606	606	607	609	613	606	617	645	675	690	703	689	667	643	630	615	609	605	596	598	601	603	604	627	0	11 36	707	19 33	592	115
7	✓			605	605	607	610	611	612	618	637	659	677	685	686	673	654	639	629	619	613	615	615	612	608	601	598	629	0	11 11	695	23 28	597	98
8	✓			603	606	610	611	616	618	622	638	655	673	673	671	656	642	615	609	610	607	611	605	607	611	611	608	624	0	10 11	683	0 30	601	82
9				606	606	605	607	610	611	613	631	660	721	698	688	682	671	632	619	612	600	598	592	595	599	593	593	627	1	9 40	742	23 07	584	158
10				590	591	598	604	607	609	614	638	658	687	676	666	678	652	636	611	610	604	606	607	607	607	602	609	624	1	9 48	701	1 01	582	119
11				605	603	602	606	609	613	617	634	665	693	710	705	683	663	636	615	613	607	600	598	595	594	601	603	628	0	10 40	721	21 32	590	131
12	✓			602	604	604	607	610	611	603	616	647	675	693	709	701	687	664	634	617	604	605	608	609	609	608	608	631	0	11 44	720	17 59	599	121
13	✓	✓		610	612	613	614	614	617	620	639	672	692	696	696	680	663	653	639	621	612	610	608	608	609	609	610	634	0	9 49	707	19 59	607	100
14		✓		609	610	610	611	612	616	627	651	680	700	714	706	699	685	656	(635)	620	616	622	624	608	597	609	614	639	0	12 52	718	22 15	590	128
15			✓	616	632	611	594	605	600	560	553	571	624	652	657	639	631	619	598	579	556	542	551	567	564	592	581	596	1	12 17	688	7 03	529	159
16			✓	569	576	571	579	583	580	595	621	655	679	697	682	664	651	632	612	595	589	590	587	588	582	585	588	610	1	11 06	706	0 26	560	146
17				585	588	588	584	593	594	597	632	685	708	733	719	692	641	610	589	582	578	577	579	585	590	587	591	617	0	10 43	752	18 39	573	179
18				590	589	590	594	594	591	591	612	648	685	713	730	715	689	652	621	599	590	595	602	602	602	602	594	625	0	11 37	738	0 20	587	151
19				614	606	599	595	593	593	592	605	638	670	682	688	674	657	636	622	607	595	597	595	598	599	598	598	619	0	11 30	694	6 21	586	108
20			✓	601	599	598	598	598	591	582	604	618	631	683	667	605	607	588	578	521	506	522	520	499	509	524	564	580	1	10 04	712	20 20	492	220
21			✓	551	563	564	568	579	582	573	580	620	654	664	681	670	660	629	596	584	581	583	584	581	580	584	585	600	1	11 31	696	0 10	546	150
22				584	589	593	592	593	595	592	606	633	665	691	692	673	651	612	602	598	587	589	579	572	586	605	588	611	0	10 44	706	19 52	565	141
23			✓	588	592	595	589	605	597	582	578	609	647	650	649	647	647	621	608	591	582	586	587	585	586	590	588	604	1	10 21	671	7 59	567	104
24				585	583	592	589	591	590	584	606	626	663	680	674	657	636	610	596	582	571	580	582	585	582	579	581	604	1	10 04	689	17 20	566	123
25				588	586	583	583	584	588	591	613	631	639	626	630	633	628	625	609	596	590	590	592	593	593	590	593	603	0	9 28	647	4 19	579	68
26	✓	✓		594	589	590	592	594	595	595	613	634	660	683	671	664	655	637	616	602	594	595	596	594	595	596	593	614	0	10 22	691	1 20	588	103
27				590	589	592	595	602	601	578	573	650	653	665	682	679	658	634	610	584	572	577	587	589	586	581	598	609	1	11 48	690	7 16	560	130
28	✓	✓		595	591	591	595	597	596	598	622	658	679	682	669	648	632	626	625	618	606	602	606	605	601	600	603	619	0	10 01	688	1 33	589	99
29	✓			603	604	604	606	607	606	605	619	645	663	667	660	651	635	624	622	615	600	589	593	596	589	586	582	615	0	10 56	671	23 23	580	91
30				594	622	608	595	590	593	599	610	638	663	659	644	638	630	618	615	607	600	588	594	589	582	586	588	610	1	10 23	677	20 50	578	99
31				590	591	601	596	595	589	584	609	642	668	687	691	678	656	628	604	593	600	600	602	599	588	576	567	614	0	11 15	698	23 28	562	136
MEANS ALL DAYS				595	597	598	598	601	600	598	614	644	674	689	689	675	656	632	614	600	592	593	593	593	592	593	594	618						131
MEANS TEN DAYS ✱				602	602	603	605	606	607	607	624	653	678	690	691	676	657	638	623	612	605	604	604	605	603	601	601	625						111
MEANS FIVE DAYS † (G. M. T.)				603	602	602	604	605	607	609	628	658	681	693	689	676	660	643	629	615	607	597 607	600 606	602	601	598	603	626						
MEANS FIVE DAYS ‡ (G. M. T.)				585	592	588	586	594	590	578	587	615	647	669	667	645	639	618	598	574	563	565	574	569	571	586	589	600						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 416

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

NOVEMBER 1932

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	565	587	588	576	586	592	589	628	649	677	673	675	639	616	605	603	597	593	588	580	586	579	577	587	606	1	9 48	695	1 07	560	135
2				584	590	588	590	597	596	590	603	629	647	663	668	662	644	633	620	611	600	599	599	599	598	596	590	612	1	11 17	677	0 34	581	96
3	✓			594	593	594	593	601	604	605	616	642	641	547	636	625	624	616	619	619	608	603	603	602	604	602	595	612	0	10 24	654	0 00	590	74
4				593	600	604	607	611	615	622	633	644	652	641	646	630	613	600	597	581	575	583	593	586	590	588	589	608	1	11 24	671	17 14	571	100
5				595	599	605	604	603	608	620	641	659	678	685	671	670	646	632	626	610	599	594	594	603	602	598	599	623	0	10 23	696	0 00	588	108
6	✓	✓		598	593	598	600	602	609	624	651	683	705	711	701	679	655	632	613	604	607	607	605	609	616	614	613	630	0	10 15	713	1 32	591	122
7				608	610	609	608	611	615	619	635	657	673	692	694	671	659	642	621	608	604	608	610	610	604	603	602	628	0	11 46	703	23 00	600	103
8	✓			604	604	606	607	610	614	613	625	625	643	649	647	646	633	627	624	622	616	611	610	610	606	607	609	620	1	12 01	678	1 15	602	76
9	✓	✓		608	612	613	615	617	623	642	669	692	698	692	668	626	618	631	635	631	620	616	614	613	617	617	618	634	0	9 44	703	0 11	606	97
10	✓	✓		616	616	616	612	616	622	633	656	666	668	658	642	637	637	636	632	626	623	619	618	619	617	616	616	630	0	9 10	674	3 15	611	63
11				615	615	615	622	629	631	633	656	675	706	708	699	694	648	635	627	622	618	615	611	617	623	626	621	640	1	9 21	719	19 02	609	110
12				617	620	616	615	612	610	616	639	669	691	681	686	655	648	626	618	616	606	602	602	599	597	604	598	627	1	9 51	711	23 35	595	116
13				599	600	602	603	606	613	623	634	659	673	655	649	631	632	624	618	606	600	601	604	608	610	605	604	619	1	11 09	684	17 38	596	88
14			✓	601	608	598	600	604	603	610	617	656	656	648	602	591	595	598	604	604	576	574	590	592	595	594	590	604	1	9 27	681	18 25	568	113
15			✓	605	595	595	594	596	605	619	635	656	674	(672)	657	646	639	642	625	615	613	604	598	592	587	584	573	618	1	[9 47	689]	23 35	560	[129]
16			✓	600	588	584	584	590	599	612	627	639	666	665	647	618	600	577	570	547	544	589	594	593	590	590	596	600	1	9 59	685	17 37	534	151
17			✓	591	586	587	590	596	587	589	594	619	634	652	656	664	644	623	602	592	592	586	589	596	595	589	586	606	1	10 54	691	7 42	570	121
18				586	586	591	593	598	605	605	624	652	690	688	699	685	654	628	607	595	591	593	594	592	595	594	594	618	0	10 56	709	0 00	581	128
19				593	593	591	595	600	604	594	588	609	631	648	646	659	633	616	608	597	586	591	590	592	595	593	591	606	1	12 40	667	7 31	575	92
20				593	599	594	593	597	602	610	626	636	668	652	645	618	596	597	592	598	599	599	598	596	599	598	603	609	0	9 31	676	13 30	587	89
21	✓			602	599	595	603	607	611	614	624	643	659	653	642	609	589	572	579	595	600	601	600	601	601	599	597	608	0	9 56	667	14 40	567	100
22	✓	✓		596	595	595	600	602	609	616	629	645	656	646	646	626	616	612	614	615	612	608	606	605	604	605	601	615	0	9 52	662	2 10	594	68
23				601	602	602	604	607	612	617	617	612	631	645	655	667	663	652	636	622	614	611	613	615	614	615	612	622	0	11 53	672	7 56	598	74
24	✓	✓		610	613	610	611	614	615	600	583	581	584	591	582	585	589	599	618	628	626	622	619	620	621	618	622	607	1	16 56	629	8 00	565	64
25				633	630	629	632	636	642	647	657	677	694	692	642	631	639	644	647	634	625	611	603	600	604	603	604	636	1	10 27	727	13 21	587	140
26	✓			603	600	603	607	608	614	619	638	656	647	619	596	582	583	598	618	627	622	617	612	610	609	607	606	613	0	8 34	665	12 44	574	91
27	✓			603	604	606	605	607	615	629	643	664	669	658	636	612	610	610	621	617	609	605	606	607	608	611	614	620	0	9 33	676	0 52	600	76
28				607	603	600	602	606	615	633	657	663	678	691	685	665	650	637	629	628	621	621	610	611	605	607	608	630	0	11 17	715	21 57	596	119
29				611	603	601	605	605	606	616	630	650	676	661	655	634	622	609	607	608	610	601	600	596	607	603	606	618	1	9 32	692	1 51	575	117
30				605	602	597	599	603	610	613	623	640	650	661	671	655	626	615	616	616	614	613	608	607	602	605	608	619	0	11 46	687	2 41	593	94
31																																		
MEANS ALL DAYS				601	601	601	602	606	610	616	630	648	664	663	655	640	627	619	615	610	604	603	602	603	603	602	602	618						102
MEANS TEN DAYS ✱				603	603	604	605	608	614	620	633	650	657	652	640	623	615	613	617	618	614	611	609	610	610	610	609	619						83
MEANS FIVE DAYS † (G. M. T.)				606	606	606	608	610	616	623	638	653	662	660	648	631	623	622	622	621	618	607 614	606 612	608	608	607	607	622						
MEANS FIVE DAYS ‡ (G. M. T.)				592	593	590	589	594	597	604	620	644	661	662	647	632	619	609	601	591	584	588	598	597	594	590	586	608						

NOVEMBER 1932

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 417

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DECEMBER 1932 — DECEMBER 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				609	613	608	602	609	605	609	607	623	647	664	662	661	647	613	597	594	600	605	598	597	597	604	603	616	0	10 52	688	16 12	590	98
2	✓			602	602	602	605	606	607	608	622	647	671	686	695	689	672	642	613	608	607	608	608	609	602	609	607	626	0	11 24	704	21 25	599	105
3	✓			607	608	608	607	607	601	602	609	632	658	681	691	688	676	654	631	612	607	600	600	590	586	590	597	623	0	11 44	697	22 14	583	114
4	✓			601	603	604	606	607	612	612	611	635	660	677	687	685	682	655	637	624	613	606	609	609	609	607	607	627	0	11 56	696	0 15	600	96
5	✓	✓		608	607	609	609	610	613	616	623	638	647	652	652	655	655	655	647	628	610	602	602	609	612	611	612	624	0	12 42	658	19 50	601	57
6				616	611	615	615	619	624	623	620	634	640	653	650	643	642	640	640	631	620	600	607	609	609	609	607	624	1	11 09	660	18 18	593	67
7	✓	✓		607	609	615	616	618	618	618	615	633	656	673	682	666	683	668	649	633	621	615	613	614	620	633	620	634	0	12 16	690	0 53	607	83
8			✓	599	587	606	616	621	621	581	588	624	666	690	714	696	694	673	672	654	602	587	571	572	576	584	597	625	1	11 38	738	20 01	565	173
9				593	597	595	604	601	611	609	616	657	658	655	627	608	598	614	595	590	598	597	596	596	597	596	598	609	1	10 09	708	16 17	584	124
10				600	603	604	605	606	616	629	643	638	649	626	633	646	639	630	613	605	597	600	597	598	599	599	600	616	1	7 54	658	17 20	594	64
11	✓			602	602	602	601	603	610	625	638	655	662	658	640	612	592	582	583	589	600	606	606	605	604	605	602	612	0	9 38	670	15 00	578	92
12	✓	✓		597	599	603	599	603	609	620	633	656	676	681	664	642	621	606	600	604	609	607	606	608	610	610	610	620	0	10 25	685	0 25	596	89
13				607	608	611	613	610	612	628	650	677	721	721	709	684	621	617	609	591	583	592	595	597	602	598	602	627	1	9 44	737	16 57	577	160
14			✓	607	616	616	619	625	635	628	608	586	589	666	660	598	511	499	496	512	524	522	523	529	540	554	561	576	2	10 54	729	13 17	460	269
15			✓	570	569	570	574	584	583	585	602	623	655	662	650	633	604	555	508	485	490	507	526	553	554	556	562	573	1	10 00	671	16 00	478	193
16			✓	571	573	579	578	576	584	604	627	645	667	664	653	619	579	559	550	551	575	579	574	565	581	579	576	594	1	10 09	695	15 59	532	163
17			✓	578	577	580	583	587	586	595	613	628	639	648	618	614	599	561	567	577	585	584	588	586	588	592	579	594	1	10 26	661	14 27	540	121
18				579	581	586	590	593	594	599	595	606	626	637	655	660	636	605	584	576	584	591	595	594	597	598	596	602	1	12 24	669	16 01	572	97
19				595	596	596	597	604	607	615	628	641	(647)	661	660	659	654	651	613	595	589	592	592	595	Δ				1	10 54	675	17 14	588	87
20																													0					
21		✓																											0					
22												Δ	647	654	657	665	654	648	618	609	607	604	605	603	601	601	600		0	11 10	674	[23 21	598	76]
23	✓	✓		604	608	608	607	607	610	604	603	618	642	661	669	664	654	635	614	603	604	603	604	602	603	605	609	618	0	11 23	678	7 15	598	80
24	✓			611	613	611	611	613	623	626	631	646	659	665	676	673	649	627	615	618	615	614	615	616	615	613	614	628	0	11 20	681	15 35	606	75
25				618	631	629	623	626	640	628	618	635	618	650	644	630	606	597	581	592	601	599	590	581	594	601	602	614	1	10 39	672	20 15	572	100
26				599	604	605	602	605	612	622	629	648	662	645	638	639	604	620	574	585	595	597	599	594	580	578	594	610	1	9 48	675	15 35	558	117
27				593	593	597	600	600	600	608	614	632	636	657	640	629	604	590	574	587	593	593	595	595	593	592	593	604	1	10 23	668	15 28	570	98
28				593	599	596	597	597	601	614	636	643	642	639	648	640	578	592	582	583	592	596	595	597	601	599	599	607	1	11 59	669	13 45	564	105
29	✓			600	602	597	597	599	604	619	642	686	702	691	675	637	592	562	563	580	592	597	599	603	601	603	602	614	0	9 36	718	14 30	557	161
30				600	596	602	599	595	604	618	624	630	656	643	656	650	636	595	553	564	571	583	581	589	594	593	605	606	1	11 32	677	15 04	542	135
31				600	595	603	601	600	606	619	638	677	706	718	716	684	644	594	556	560	575	595	595	590	596	603	605	620	1	10 03	732	15 41	549	183
MEANS ALL DAYS a)				599	600	602	603	605	609	613	621	639	650	666	663	651	627	609	593	590	591	592	592	594	595	597	598	613						a) 119
MEANS TEN DAYS ✲				604	605	606	606	607	611	615	623	645	663	672	673	663	646	629	615	610	608	606	606	606	606	609	608	623						95
MEANS FOUR DAYS b) † (G. M. T.)				604	606	609	608	610	612	614	616	636	655	667	667	662	653	641	628	617	611	604 607 607 606	607 606	606	606	606	604	623						
MEANS FIVE DAYS ‡ (G. M. T.)				605	564	590	594	599	602	599	606	621	643	670	659	652	597	569	559	556	555	556	566	576	579	564	584	594						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-seven days only, omitting incomplete days December 19 to 22 b) Omitting incomplete Greenwich day December 21

TABLE 413

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1932

JANUARY 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				483	483	483	485	486	487	486	487	486	478	478	472	467	471	477	479	480	481	482	485	485	485	484	485	481	1	5 38	469	12 45	464	25
2			✓	483	485	484	484	486	490	493	498	506	505	498	493	484	486	494	491	487	483	485	485	485	486	486	485	489	1	8 24	508	12 30	482	26
3				485	485	485	487	487	487	487	489	491	488	491	491	480	469	470	479	478	481	485	486	486	486	486	487	484	1	11 00	496	13 40	465	31
4	✓			486	486	486	487	487	486	486	490	491	492	498	496	491	493	492	491	485	486	488	487	487	486	486	486	489	0	10 30	500	16 58	484	16
5	✓			486	486	486	487	486	486	487	485	479	479	484	478	477	483	490	489	484	481	486	487	488	487	486	484	485	0	15 00	493	12 04	473	20
6	✓			484	484	484	486	486	486	485	484	481	485	483	475	472	488	493	487	480	479	483	486	486	486	486	486	484	1	14 30	494	12 05	465	29
7				485	485	485	485	486	484	488	498	500	504	500	486	472	475	486	491	489	490	489	486	485	485	485	484	438	1	9 22	506	12 40	468	38
8				485	483	481	484	486	487	487	496	501	499	497	493	481	470	473	478	482	480	480	485	486	486	486	485	485	1	8 18	502	13 55	469	33
9				483	484	484	485	486	486	488	494	495	497	500	502	497	495	497	498	497	491	488	488	488	488	486	486	491	0	11 15	504	0 21	482	22
10				485	485	485	486	487	488	489	493	494	494	494	493	488	477	477	472	474	479	483	485	486	486	487	486	486	1	7 55	496	16 20	470	26
11				485	484	484	486	488	489	491	502	504	504	509	505	494	498	505	499	494	488	484	488	488	487	485	485	493	1	10 34	511	2 15	483	28
12				485	485	485	486	488	488	488	491	493	491	491	489	481	478	479	478	477	481	483	487	488	488	488	486	486	1	7 38	495	12 52	476	19
13				486	485	485	486	488	489	490	497	503	510	517	516	503	480	472	475	479	481	484	487	488	486	487	487	490	0	11 00	520	14 30	470	50
14				486	487	488	488	489	490	496	500	495	493	494	490	485	480	473	473	475	480	486	486	487	488	487	485	487	0	7 03	501	14 26	472	29
15				486	486	486	487	487	489	493	495	494	(486	479)	468	466	468	468	469	473	478	477	477	477	478	480	479	480	1	7 20	498	12 00	465	33
16				481	482	483	483	484	484	487	492	490	486	486	483	482	472	471	477	481	485	485	484	484	484	484	484	483	1	7 32	493	13 45	468	25
17	✓			483	483	485	486	485	487	487	490	489	492	492	493	490	488	489	481	479	483	483	485	486	486	486	485	486	0	11 10	497	16 28	478	19
18	✓	✓		486	486	486	486	489	490	491	490	487	488	491	490	489	480	479	480	484	489	489	488	489	489	489	488	487	0	7 20	495	14 10	476	19
19	✓	✓		487	487	487	488	488	487	486	491	495	492	490	483	476	477	470	464	476	483	483	485	486	486	487	486	484	0	8 27	496	15 27	461	35
20	✓	✓		485	486	487	487	488	488	489	490	488	487	487	482	477	478	479	492	498	499	493	491	490	490	488	489	488	0	17 14	503	12 06	475	28
21	✓	✓		489	488	488	486	490	489	489	495	496	496	500	500	504	508	511	509	494	487	489	489	489	489	489	488	494	0	14 50	512	17 18	485	27
22	✓	✓		488	488	488	489	490	489	489	486	483	485	488	489	485	479	477	484	490	496	497	493	492	490	490	488	488	0	18 10	498	14 02	475	23
23	✓			490	489	489	489	490	487	489	495	498	495	497	501	503	505	505	494	489	491	491	492	491	490	490	488	493	0	14 05	508	6 05	485	23
24				488	488	490	491	492	491	490	492	489	491	485	491	493	492	495	497	499	496	495	493	491	489	486	(490)	491	1	14 51	500	9 50	482	18
25			✓	[490]	▽						▽	(507)	498	496	504	512	508	491	488	482	485	487	488	487	487	489	489		1	[12 48	518]			
26			✓	490	489	489	488	491	489	485	488	489	488	487	487	479	474	483	491	498	497	494	490	491	490	489	488	488	0	16 40	499	13 10	471	28
27			✓	487	488	487	489	491	490	493	498	493	488	485	495	504	512	505	497	499	495	488	490	489	489	488	488	493	1	13 41	515	10 26	483	32
28			✓	489	489	490	490	491	491	491	490	494	497	493	485	483	482	477	477	489	496	494	491	490	490	489	489	489	1	8 54	500	14 25	475	25
29				488	488	487	488	490	493	495	500	498	494	495	494	490	485	473	472	481	488	489	491	490	491	490	489	489	0	7 30	501	14 40	470	31
30				488	489	489	490	491	491	491	493	494	490	486	481	479	473	465	479	493	497	495	495	495	492	492	491	488	0	17 21	499	14 15	464	35
31				491	492	491	492	494	497	501	503	500	496	495	499	501	497	492	483	484	488	490	493	493	493	493	496	494	1	7 31	505	16 01	480	25
MEANS ALL DAYS a)				486	486	486	487	488	488	490	493	493	492	492	490	486	484	484	484	486	487	487	488	488	488	487	487	488						a) 27
MEANS TEN DAYS ✲				486	486	487	487	488	488	486	490	489	489	491	489	486	488	488	487	486	487	488	488	488	488	488	487	488						24
MEANS FIVE DAYS (G. M. T.) †				487	487	487	488	489	489	489	490	490	490	491	489	486	484	483	486	488	491	487 490	488 489	488	488	488	487	488						
MEANS FOUR DAYS (G. M. T.) b) ‡				487	488	488	488	490	490	490	494	496	494	491	490	488	488	490	489	493	493	490	488	488	488	488	488	490						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day January 25

b) Omitting incomplete Greenwich day January 25

TABLE 419

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

FEBRUARY 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			492	492	493	493	493	492	492	495	498	505	507	501	496	492	484	483	490	495	495	493	494	495	495	493	494	0	10	510	15	480	30
2		✓		493	493	493	494	495	496	503	509	509	511	506	510	524	525	506	493	495	496	497	495	496	494	493	493	501	0	13	528	22	491	37
3			✓	489	491	490	490	492	495	493	494	491	503	504	505	504	501	492	490	489	487	495	495	494	495	491	492	494	1	11	507	8	486	21
4			✓	494	493	492	492	493	494	497	504	505	493	485	486	492	493	488	487	490	492	491	492	493	493	492	493	493	1	8	509	10	482	27
5				491	491	492	494	495	494	494	497	500	503	503	499	500	502	499	494	494	495	496	496	495	494	494	494	496	1	13	505	1	491	14
6				492	494	495	496	497	495	496	501	493	484	485	486	487	491	494	494	496	495	492	493	493	493	493	494	493	1	7	503	9	483	20
7				493	493	494	495	495	496	496	498	497	495	499	504	501	490	488	490	493	496	496	496	495	494	494	494	495	0	12	506	14	487	19
8				493	494	494	494	495	494	495	502	503	502	499	495	492	498	499	501	499	498	493	492	493	493	493	493	496	0	8	504	12	491	13
9				494	493	494	495	496	497	497	498	500	498	497	498	499	494	485	485	492	493	494	497	496	495	494	495	495	0	11	502	14	483	19
10			✓	493	494	495	495	496	495	493	498	502	500	499	495	494	495	494	491	485	487	491	491	492	494	492	494	494	1	8	503	16	484	19
11			✓	495	495	495	495	495	496	493	494	496	497	497	496	494	493	491	483	486	488	492	[493]	△					0	[8	25	499]	15	10	482	[17]
12												△	509	504	497	489	488	491	488	489	493	491	495	496	494	494	494			[9	02	511]	12	35	486	[25]
13				493	494	495	496	496	497	497	500	499	499	501	500	500	501	501	498	494	493	493	495	494	495	495	495	497	0	14	30	502	17	10	493	10
14	✓			496	497	497	497	498	498	501	508	514	514	517	520	519	517	514	509	504	498	494	494	496	497	497	497	504	0	11	53	521	18	35	493	28
15	✓			497	497	497	497	499	499	498	504	510	509	509	507	510	511	515	515	510	500	495	495	496	496	496	496	502	0	15	11	517	18	50	493	24
16	✓	✓		497	497	497	498	499	499	498	494	490	490	(487	483)	482	490	498	501	499	495	494	492	493	493	493	493	494	0	15	50	502	[11	50	478	24]
17	✓	✓		493	494	494	494	495	495	495	497	502	505	510	515	516	514	511	507	504	498	494	494	494	494	494	494	500	0	12	09	517	0	05	492	25
18	✓			494	494	494	497	497	497	495	501	507	509	511	511	510	509	503	497	491	488	490	492	492	493	492	493	498	0	11	10	513	17	25	486	27
19				494	494	494	495	495	496	496	499	498	500	498	495	487	486	487	488	491	493	492	491	491	493	493	492	493	0	9	29	501	13	10	485	16
20				492	489	492	492	494	494	493	495	498	494	490	490	490	498	503	496	489	487	493	492	494	494	494	494	493	1	14	20	505	17	08	485	20
21				495	496	496	496	497	497	495	497	499	497	495	494	498	504	505	503	498	496	497	498	497	497	497	497	498	0	14	51	507	10	50	493	14
22				495	495	495	496	497	497	496	500	504	500	502	502	500	501	501	498	494	491	495	494	494	496	496	496	497	1	8	14	506	17	08	491	15
23			✓	496	497	497	499	499	498	497	498	500	502	503	501	499	496	492	490	496	494	494	493	493	493	494	495	496	1	10	38	504	15	05	486	18
24				493	492	495	497	499	498	502	506	512	511	507	500	493	494	496	501	501	498	498	496	497	497	495	496	499	1	8	41	515	12	40	491	24
25				493	495	496	497	498	497	496	498	499	491	482	475	472	473	478	486	488	491	494	495	495	495	495	495	491	0	8	06	503	12	36	471	32
26	✓			496	496	496	497	497	497	498	501	500	498	493	489	485	491	495	494	495	496	495	496	496	496	497	497	495	0	7	12	502	12	16	483	19
27	✓	✓		497	497	497	498	498	500	498	501	503	501	502	499	496	496	496	490	489	496	494	496	496	497	497	496	497	0	7	40	503	15	55	488	15
28	✓	✓		497	497	499	500	501	501	501	506	512	511	508	506	503	499	494	489	490	492	496	497	498	498	499	500	500	0	8	16	513	15	30	488	25
29	✓			501	501	500	500	501	501	499	501	495	495	498	496	495	496	495	489	482	486	494	497	498	498	500	499	497	0	7	25	502	16	30	481	21
30																																		
31																																		
MEANS ALL DAYS a)				494	494	495	496	497	497	497	500	502	501	500	499	498	498	497	495	494	494	494	494	495	495	495	495	496								a) 21
MEANS TEN DAYS ✲				496	496	496	497	498	498	498	501	503	504	504	503	501	502	500	497	495	494	494	495	495	496	496	496	498								24
MEANS FIVE DAYS † (G. M. T.)				495	496	496	497	498	498	499	501	503	504	503	503	504	505	501	496	495	495	495 495	494 495	495	495	496	495	498							
MEANS FIVE DAYS ‡ (G. M. T.)				493	494	494	494	495	496	495	498	499	499	498	497	497	496	491	488	489	490	493	494	494	495	493	494	494								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-seven days only, omitting incomplete days February 11 and 12

TABLE 420

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1932 — MARCH 1932

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		499	499	498	499	501	502	499	503	501	500	502	501	496	492	493	499	495	495	498	497	498	498	500	500	499	0	7 19	504	14 04	491	13
2				499	499	499	500	502	502	503	509	514	514	518	517	516	514	505	502	498	496	499	498	497	498	500	502	504	1	11 52	521	17 21	495	26
3				502	502	502	502	505	505	504	509	515	513	511	510	510	509	508	500	494	491	493	496	500	500	497	497	503	1	8 31	518	17 10	490	28
4				500	502	498	500	501	501	499	500	501	502	502	498	490	488	487	488	490	491	497	497	498	498	498	499	497	1	10 16	505	14 45	483	22
5				499	500	502	502	502	501	499	498	496	496	492	490	496	503	503	502	495	499	502	499	500	501	501	502	499	1	14 45	506	11 30	489	17
6				503	502	501	503	504	503	502	501	502	501	501	500	497	490	485	490	493	494	497	499	499	499	499	500	499	1	4 48	505	14 11	485	20
7				500	501	500	501	504	503	501	499	501	496	492	492	499	501	501	502	499	495	497	500	501	501	498	497	499	1	4 50	504	10 43	492	12
8				498	499	500	502	503	503	499	497	494	492	488	485	485	483	491	491	493	497	502	502	500	501	501	501	496	1	5 06	505	12 40	481	24
9				502	501	501	502	504	503	503	502	505	507	507	505	505	501	502	503	502	502	505	503	502	501	501	501	503	1	9 30	509	13 17	498	11
10			✓	501	504	505	506	505	505	505	504	500	496	492	484	483	486	487	486	490	493	495	499	495	498	499	500	497	1	3 55	506	12 32	481	25
11				501	504	500	500	502	501	500	503	507	512	510	505	506	509	507	507	505	503	501	501	500	501	501	503	504	1	9 33	513	20 35	498	15
12				502	502	503	505	505	505	504	505	505	506	508	508	506	509	506	503	502	500	501	500	499	499	499	499	503	0	13 42	510	22 44	499	11
13				501	500	501	503	504	504	505	507	502	496	492	490	488	488	490	491	493	498	501	501	501	502	502	501	498	0	7 08	507	12 15	486	21
14	✓			501	502	504	504	506	506	501	499	495	493	492	495	499	498	497	495	496	497	501	501	502	502	501	502	500	1	5 10	508	10 17	491	17
15	✓	✓		502	502	504	504	504	506	503	502	498	497	498	498	500	496	493	487	486	491	498	501	501	501	501	501	499	0	5 33	507	15 57	485	22
16	✓	✓		501	501	502	502	503	503	500	496	494	494	493	(487)	488	492	492	494	498	501	503	503	503	504	504	505	498	0	23 59	506	[11 48	484	22]
17	✓			504	505	505	505	507	506	505	507	509	507	508	509	509	505	498	495	498	498	500	502	502	502	503	503	504	0	8 12	510	15 00	494	16
18				503	502	503	506	507	508	511	515	517	516	515	513	513	510	506	507	505	502	503	501	502	502	503	504	507	1	8 18	520	19 48	500	20
19	✓			504	504	505	506	507	507	507	506	504	499	496	495	495	496	498	498	497	499	501	501	501	502	503	505	502	0	5 20	507	12 03	492	15
20				504	504	505	505	506	506	510	513	514	511	509	508	509	508	510	511	508	504	503	501	501	502	501	503	506	0	7 21	514	20 10	500	14
21				502	505	505	503	506	508	507	506	508	509	508	507	509	510	507	505	504	505	504	505	505	504	502	500	506	1	13 31	512	23 44	499	13
22				505	504	503	505	507	507	508	505	503	499	491	485	483	482	481	487	494	500	501	501	500	501	504	504	498	1	5 25	509	14 19	479	30
23	✓			504	504	506	507	506	506	507	508	505	501	492	484	484	482	485	491	500	502	506	504	505	504	505	506	500	0	6 59	510	11 50	481	29
24	✓			504	506	506	507	507	508	508	513	517	513	510	510	504	501	497	499	501	504	505	505	506	505	504	505	506	0	8 01	517	14 30	497	20
25	✓	✓		504	505	506	507	508	508	511	515	514	514	515	514	508	503	498	499	504	506	507	507	507	507	506	507	508	0	7 15	516	14 40	496	20
26	✓	✓		507	507	507	508	510	510	511	512	511	511	512	514	507	501	494	495	499	503	505	506	507	507	507	507	507	0	11 05	515	14 50	492	23
27				507	507	508	509	510	510	511	510	509	510	510	510	497	484	480	485	493	501	506	504	501	503	506	506	503	0	6 45	512	14 20	478	34
28			✓	506	506	506	508	509	511	512	512	509	503	503	495	492	489	486	490	498	504	506	502	501	504	507	509	503	1	7 02	513	14 30	486	27
29			✓	507	508	509	509	510	510	509	506	500	498	490	489	484	480	477	481	488	498	505	504	504	504	505	506	499	1	5 04	511	14 20	474	37
30			✓	508	505	505	508	510	510	510	511	508	503	499	500	498	500	504	501	503	504	501	505	504	508	508	508	505	1	7 14	515	12 26	496	19
31			✓	508	506	508	509	507	509	509	506	505	501	495	494	491	489	495	502	505	504	502	504	504	506	503	506	503	1	2 48	511	13 20	488	23
MEANS ALL DAYS				503	503	503	504	506	506	505	506	505	504	502	500	498	497	496	496	498	499	501	502	501	502	502	503	502						21
MEANS TEN DAYS ✲				503	504	504	505	506	506	505	506	505	503	502	501	499	497	494	495	497	500	502	503	503	503	503	504	502						20
MEANS FIVE DAYS (G. M. T.) †				503	503	503	504	505	506	505	506	504	503	504	503	500	497	494	495	496	499	501 502 502 503		503	503	502	503	502						
MEANS FIVE DAYS (G. M. T.) ‡				506	506	507	508	508	509	509	508	504	500	496	492	490	489	490	492	497	501	502	504	502	504	505	506	501						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 421

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1932 — APRIL 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				506	506	507	508	508	507	508	509	506	504	498	498	500	498	497	495	495	502	501	501	500	501	505	506	503	1	3 40	510	16 14	490	20
2			✓	506	505	508	507	507	508	509	511	510	505	503	505	505	501	499	503	506	504	503	502	505	507	506	505	505	1	6 53	512	14 39	496	16
3				506	506	506	506	506	508	507	505	505	498	496	498	495	488	494	494	496	501	505	502	504	506	506	505	502	1	5 40	509	13 11	487	22
4				507	506	506	508	507	507	506	502	501	501	501	500	502	504	506	503	502	501	502	504	504	505	507	505	504	1	22 10	509	10 13	498	11
5				505	507	509	508	509	508	504	501	497	491	490	493	494	492	493	495	497	500	502	501	502	504	505	506	501	1	2 10	511	9 47	489	22
6				503	505	507	508	508	507	512	517	518	519	514	510	505	503	502	498	498	503	506	504	504	507	505	505	507	0	9 02	521	15 40	497	24
7			✓	507	510	509	508	512	514	514	515	513	506	501	496	499	501	496	494	496	500	502	501	505	507	507	507	505	1	6 50	517	15 00	491	26
8				508	507	509	511	511	510	512	516	520	515	509	509	506	499	501	503	505	506	508	505	505	508	507	507	508	0	8 20	521	13 32	498	23
9	✓			509	510	509	510	511	511	511	513	515	516	515	512	506	499	497	497	501	504	506	506	506	506	507	506	508	0	8 46	517	13 58	497	20
10	✓			508	509	509	509	509	510	513	517	514	507	499	495	495	499	501	505	509	509	508	506	507	507	508	508	507	0	7 30	518	11 40	493	25
11	✓			508	508	508	508	509	509	510	511	507	503	501	501	495	489	487	489	495	499	503	504	505	505	507	505	503	0	7 10	512	14 41	486	26
12	✓	✓		507	507	507	508	508	507	506	507	510	510	507	505	507	502	492	491	497	503	505	505	505	505	505	505	505	0	8 30	511	14 52	490	21
13			✓	508	508	509	510	512	512	517	524	526	521	514	503	505	500	495	491	495	501	504	506	507	504	505	505	508	1	8 00	527	15 22	489	38
14				506	508	507	507	508	507	509	511	510	509	510	512	506	497	492	487	□		□	505	503	□				1	[11 00	515]			
15										□	505	506	505	505	508	507	507	504	502	503	507	506	507	507	508	509	508				[16 00	501]	
16	✓			509	509	509	509	509	510	513	513	510	509	505	504	503	501	502	501	501	505	506	508	508	509	509	508	507	1	6 45	515	12 58	500	15
17				507	507	507	508	511	509	508	507	504	498	495	491	489	493	494	492	496	500	503	503	504	505	508	507	502	1	4 50	512	12 15	488	24
18				507	507	508	507	508	509	507	502	498	495	494	495	501	505	514	511	504	502	503	507	508	509	509	509	505	1	14 26	516	10 50	493	23
19	✓	✓		509	509	509	510	510	510	509	505	502	498	497	498	500	500	501	499	499	503	505	505	508	508	508	508	505	0	4 45	511	10 50	496	15
20	✓	✓		508	508	509	509	509	510	509	510	511	508	505	505	506	503	503	504	504	505	505	505	507	508	508	508	507	0	6 50	512	13 50	500	12
21	✓	✓		508	509	511	511	512	510	509	506	505	500	496	497	498	505	515	519	514	511	509	509	510	510	510	509	508	0	15 10	521	10 52	495	26
22				509	509	510	512	512	511	510	512	508	505	504	506	503	494	496	500	499	502	503	506	507	507	506	506	506	1	6 55	514	13 08	493	21
23			✓	507	508	510	510	(511)	514	510	517	514	506	504	504	498	491	491	492	497	503	506	505	505	508	510	509	505	1	8 01	522	13 32	490	32
24			✓	511	512	512	512	513	516	514	526	535	535	529	525	517	507	504	506	508	506	505	509	512	510	513	514	515	1	9 00	540	14 15	503	37
25				512	512	513	515	513	510	513	515	513	513	513	510	505	505	504	503	500	504	506	509	509	513	512	512	510	1	3 07	518	16 30	499	19
26				514	511	512	514	515	515	515	513	507	501	498	494	486	484	489	494	499	505	507	507	509	511	510	511	505	1	6 00	517	12 52	482	35
27				510	510	512	514	513	513	510	508	507	507	505	501	494	491	492	497	503	506	506	507	510	511	510	510	506	1	5 30	514	13 49	489	25
28				511	512	512	514	514	513	513	513	511	510	517	517	515	510	510	506	507	508	510	510	512	513	513	512	512	1	11 22	518	15 40	505	13
29	✓			514	514	514	514	514	515	516	514	508	500	501	507	513	516	516	509	504	505	510	511	512	513	514	512	511	1	14 18	519	9 49	499	20
30	✓	✓		512	513	514	515	515	515	515	511	504	500	502	507	504	505	509	509	508	508	509	510	510	511	512	513	510	0	4 48	516	9 55	499	17
31																																		
MEANS ALL DAYS a)				508	509	509	510	511	511	511	511	510	506	504	503	502	499	500	500	501	504	505	506	507	508	508	508	506						a) 22
MEANS TEN DAYS ✲				509	510	510	510	511	511	511	511	509	505	503	503	503	502	502	502	503	505	507	507	508	508	509	508	507						20
MEANS FIVE DAYS † (G. M. T.)				509	509	510	511	511	510	510	508	506	503	501	502	503	503	504	504	504	506	505 507	506 507	508	509	509	508	507						
MEANS FIVE DAYS ‡ (G. M. T.)				508	509	510	509	511	513	513	519	520	515	510	507	505	500	497	497	500	503	504	504	504	506	506	506	507						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days April 14 and 15

TABLE 422

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1932 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) MAY 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			512	512	512	513	515	514	511	508	502	498	498	499	493	489	489	492	497	505	506	505	508	510	512	513	505	0	5 14	516	13 10	488	28
2				514	513	513	513	514	515	513	507	506	503	499	496	495	501	509	510	504	504	505	509	512	510	511	513	508	0	6 09	518	11 50	494	24
3				512	512	514	513	515	515	515	510	502	495	490	484	483	484	490	499	506	509	511	510	510	510	510	511	505	0	5 50	517	11 50	480	37
4			✓	512	512	513	513	513	514	515	514	514	513	511	508	502	503	511	517	516	514	511	510	515	513	514	514	512	1	15 48	519	12 35	499	20
5			✓	515	515	514	514	516	517	518	521	521	515	507	502	503	503	502	502	501	504	509	511	511	512	511	510	511	1	7 22	522	11 22	500	22
6				510	512	514	515	516	516	520	522	521	518	512	507	506	504	502	505	510	511	513	512	511	513	513	513	512	1	7 40	523	14 10	501	22
7	✓			512	515	515	515	516	517	518	514	507	498	495	498	497	495	499	505	508	510	512	514	514	514	513	515	509	0	6 30	519	10 15	493	26
8	✓	✓		514	515	515	515	516	516	516	516	513	512	509	505	498	490	493	497	501	507	511	512	514	514	514	514	509	0	7 05	518	13 40	488	30
9	✓	✓		514	515	515	516	517	517	517	515	509	504	501	501	498	495	499	506	511	514	514	514	514	514	515	515	510	0	4 55	518	13 35	494	24
10				516	516	517	517	516	516	519	522	519	516	516	517	513	507	503	504	508	509	511	512	515	516	516	518	514	1	7 20	523	14 16	502	21
11				517	517	518	518	518	519	522	525	519	517	518	516	511	505	503	503	506	510	513	514	515	517	516	516	515	1	7 30	526	13 57	502	24
12	✓			515	517	516	516	517	518	519	519	518	516	513	508	504	503	502	503	506	510	513	514	513	514	515	514	513	1	6 55	519	14 10	501	18
13				513	513	513	514	517	517	519	522	520	516	511	508	500	495	494	494	501	509	512	511	513	512	514	516	511	1	7 30	523	14 58	493	30
14				514	514	513	515	514	515	515	515	512	506	503	509	509	498	491	491	500	507	512	515	515	515	515	515	510	1	3 40	517	15 09	489	28
15				515	515	516	516	516	515	517	519	521	514	505	499	498	499	498	502	509	512	513	513	514	515	518	516	511	1	8 10	525	12 17	496	29
16				513	515	515	515	516	517	519	519	519	520	521	521	512	509	510	(511)	507	508	509	511	513	515	516	517	514	1	11 12	523	[16 10	506	17]
17	✓			516	515	516	516	518	518	519	516	510	504	500	499	499	503	505	510	510	512	512	513	514	514	514	514	511	0	5 35	520	11 30	498	22
18	✓	✓		515	515	516	516	516	517	516	513	511	506	505	506	505	506	507	504	505	509	512	514	514	514	515	515	511	0	5 50	519	10 10	503	16
19	✓	✓		515	515	516	515	516	517	518	516	510	504	503	505	505	501	503	506	508	512	515	515	516	515	516	515	512	0	6 10	519	13 28	500	19
20	✓	✓		515	515	515	516	516	517	516	516	511	508	510	513	512	513	519	523	521	516	515	515	515	516	516	517	515	0	15 56	524	9 50	508	16
21				518	519	518	518	518	517	525	531	528	529	524	517	514	512	512	513	515	517	517	516	518	517	518	519	519	1	7 56	535	13 12	511	24
22				518	519	516	518	517	518	522	527	527	523	525	523	522	516	510	513	513	513	515	517	518	518	518	518	518	1	8 05	529	14 35	509	20
23				518	518	519	520	520	520	521	524	520	519	517	517	519	515	512	512	516	517	519	518	519	519	519	517	518	1	7 38	525	14 55	511	14
24				517	519	519	520	520	520	522	520	518	512	506	507	505	505	500	495	500	509	512	512	516	517	518	519	513	0	6 32	524	15 30	492	32
25			✓	521	518	519	520	518	519	519	518	516	510	502	489	484	491	497	501	506	510	514	515	517	518	520	518	511	1	3 30	521	12 30	482	39
26	✓			519	519	520	520	519	519	520	519	513	507	499	496	496	498	503	506	506	515	515	516	518	519	519	518	512	1	6 23	521	12 42	493	28
27				517	519	519	519	520	520	522	522	517	510	507	505	507	508	508	514	516	515	517	518	520	521	519	521	516	0	6 10	523	11 05	504	19
28				520	520	520	521	520	522	524	522	517	510	508	511	508	503	501	503	512	514	516	516	518	521	518	519	515	1	6 14	525	14 47	500	25
29			✓	516	517	519	521	518	521	522	527	518	507	502	503	501	503	501	498	502	511	513	517	511	510	504	517	512	2	7 24	530	15 27	496	34
30			✓	518	521	524	523	524	524	529	528	517	512	512	515	514	511	516	518	515	514	515	517	519	520	519	520	519	2	6 54	532	13 24	507	25
31				519	521	521	523	521	520	522	520	518	516	517	517	523	524	516	509	509	511	514	516	517	518	518	518	518	1	13 09	525	15 57	507	18
MEANS ALL DAYS				515	516	516	517	517	518	519	519	515	511	508	506	504	503	503	505	508	511	513	514	515	515	515	516	513						24
MEANS TEN DAYS ✲				515	515	516	516	517	517	517	515	510	506	503	503	501	499	502	505	507	511	512	513	514	514	515	515	511						23
MEANS FIVE DAYS (G. M. T.) †				515	515	515	516	516	517	517	515	511	507	506	506	504	501	504	507	509	512	512 513	514 514	514	514	514	515	512						
MEANS FIVE DAYS (G. M. T.) ‡				516	517	518	518	518	519	521	522	517	511	507	503	501	502	505	507	508	511	512	513	514	514	513	516	513						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 423

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1932 — JUNE 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				518	519	519	519	520	520	521	519	517	514	512	518	522	517	513	510	511	513	516	517	518	517	517	517	517	0	12 04	524	10 27	509	14
2				520	520	520	521	521	521	525	528	525	519	511	512	516	515	507	504	506	512	516	517	518	519	520	520	517	1	7 30	529	15 20	503	26
3	✓	✓		519	519	519	519	519	519	521	520	513	507	508	509	512	513	512	511	511	513	516	517	517	517	517	519	515	0	6 40	524	9 41	505	19
4	✓	✓		516	517	518	519	519	520	522	525	526	522	519	517	516	516	516	516	513	513	515	515	516	517	517	517	518	0	8 05	527	16 41	512	15
5	✓			517	517	518	518	518	520	521	517	511	504	499	500	498	499	504	507	510	515	518	517	518	518	518	519	513	0	5 52	522	12 38	498	24
6				519	519	520	520	519	519	520	522	518	516	518	519	520	517	513	510	510	512	514	515	516	518	518	519	517	0	7 30	524	16 04	509	15
7				520	521	522	520	520	520	523	527	526	527	525	526	519	515	514	512	510	513	516	516	517	516	520	519	519	1	7 35	529	15 56	509	20
8			✓	519	518	519	519	519	520	523	524	520	509	501	503	505	508	507	506	508	513	515	514	516	519	517	518	514	1	7 55	527	10 19	498	29
9			✓	519	519	519	519	518	519	521	519	513	507	505	501	501	500	503	506	510	513	515	513	515	515	515	518	513	1	6 50	523	13 16	500	23
10			✓	517	517	518	519	518	519	520	519	515	511	507	504	505	510	511	510	513	516	516	516	518	519	519	518	515	1	6 52	521	11 58	502	19
11			✓	516	518	519	519	521	520	520	523	523	521	517	517	522	521	520	519	515	515	516	516	518	519	519	518	519	1	8 18	525	10 43	514	11
12				518	518	518	519	520	521	521	522	520	516	516	517	515	515	515	512	512	512	515	518	518	518	518	519	517	0	7 20	522	16 55	511	11
13				520	519	519	519	520	520	521	526	526	524	521	525	526	528	532	525	518	517	520	517	518	519	519	520	522	1	14 35	534	16 35	516	18
14	✓			521	521	521	521	520	522	523	521	512	501	493	494	500	503	507	511	514	517	519	519	520	520	520	521	514	0	6 20	526	10 40	491	35
15	✓	✓		520	520	521	521	521	520	520	520	517	514	514	511	514	512	511	511	507	512	516	518	519	520	521	521	517	0	3 00	522	16 28	505	17
16	✓			521	521	521	521	522	522	523	523	(519	516)	514	519	520	511	516	520	518	519	519	521	521	521	520	521	520	0	6 32	525	13 25	509	16
17	✓			520	521	522	522	521	521	523	524	518	509	504	506	504	497	500	505	508	512	517	518	519	520	520	521	515	0	7 10	526	13 50	494	32
18	✓			521	521	522	522	520	520	521	525	522	519	521	519	521	517	509	505	508	514	518	520	520	521	522	522	519	0	7 45	526	15 40	504	22
19				522	522	522	523	524	524	525	521	516	512	509	512	514	514	510	510	509	513	518	520	522	523	522	522	518	0	6 40	525	10 50	508	17
20			✓	521	522	522	523	523	523	524	525	526	523	518	517	520	519	515	515	516	519	522	522	522	522	522	521	521	1	8 18	528	11 37	514	14
21				522	522	522	522	522	522	522	522	(519)	△																0					
22														△	499	506	504	505	(511)	513	515	519	521	522	523	524	525		1					
23				524	526	524	523	524	524	526	526	518	507	507	508	513	510	506	505	509	517	522	524	525	526	526	526	519	0	1 28	527	15 22	504	23
24				525	525	525	526	526	525	525	523	520	517	510	509	513	514	513	513	512	517	521	522	523	524	525	525	520	0	4 50	526	11 13	507	19
25				524	524	524	525	526	526	529	528	526	525	521	513	512	521	527	511	510	517	521	521	523	524	525	524	522	0	7 01	530	15 45	506	24
26				524	525	526	526	528	528	527	526	523	520	517	517	520	518	514	512	512	517	520	523	524	525	525	525	522	0	4 45	529	16 00	509	20
27		✓		525	525	526	526	526	526	529	526	520	516	527	525	525	523	522	517	514	519	523	524	525	525	526	526	524	0	6 23	530	16 40	513	17
28	✓	✓		525	525	525	526	526	527	529	525	519	520	517	519	523	523	522	517	513	516	521	523	524	525	525	525	522	0	6 20	531	16 35	512	19
29				525	525	526	525	525	527	530	525	514	512	510	514	515	517	524	521	517	516	522	524	525	525	527	526	522	0	6 21	532	10 46	508	24
30	✓			526	527	527	527	527	527	531	528	521	514	512	510	514	519	520	519	522	521	523	523	525	525	525	525	522	0	6 29	532	11 05	508	24
31																																		
MEANS ALL DAYS a)				521	521	522	522	522	522	524	524	519	515	513	513	514	514	514	512	512	515	518	519	520	521	521	521	518						a) 20
MEANS TEN DAYS ✲				521	521	521	522	521	522	523	523	518	513	510	510	512	511	512	512	512	515	518	519	520	520	520	521	517						22
MEANS FIVE DAYS † (G. M. T.)				521	521	522	522	522	522	524	524	519	516	517	516	518	517	517	514	512	515	519 518	520 519	521	521	522	522	519						
MEANS FIVE DAYS ‡ (G. M. T.)				519	519	519	520	520	520	522	522	519	514	510	508	511	512	511	511	512	515	517	516	518	518	519	519	516						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-eight days only, omitting incomplete days June 21 and 22

TABLE 42

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1932 — JULY 1932

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			525	525	526	526	526	527	532	529	519	515	510	513	519	521	522	523	523	521	523	523	524	526	526	526	523	0	6 32	533	10 27	509	24
2	✓			527	527	527	527	528	529	530	529	525	521	522	526	528	529	526	525	526	526	525	525	525	526	527	527	526	0	6 55	530	9 41	519	11
3	✓	✓		527	527	527	527	528	529	531	529	528	527	523	524	519	520	515	512	516	521	522	523	524	525	526	526	524	0	6 35	532	15 05	511	21
4				527	527	526	529	530	531	534	531	523	515	505	503	503	507	515	519	518	520	522	524	525	526	526	527	521	1	6 40	535	11 00	501	34
5			✓	527	529	529	530	530	531	531	527	519	515	511	506	507	502	499	507	516	519	524	522	523	523	524	522	520	1	6 04	533	14 24	496	37
6			✓	525	523	522	523	527	526	531	536	527	519	510	507	503	504	510	516	516	518	520	524	525	524	524	524	520	1	7 10	537	14 42	502	35
7			✓	525	526	525	525	524	526	528	527	524	523	524	520	513	512	519	521	519	522	522	522	525	525	525	524	523	1	6 14	530	13 10	510	20
8				526	526	526	526	526	527	529	527	520	512	510	507	507	505	510	510	513	517	521	522	522	523	525	525	519	0	7 00	531	13 30	504	27
9				525	525	525	526	525	526	526	526	526	520	513	514	515	511	508	510	512	517	524	523	524	523	525	526	521	0	6 44	527	14 22	507	20
10				525	525	525	526	527	528	531	530	522	517	517	516	519	520	521	520	518	520	523	523	525	525	525	525	523	1	6 53	533	11 10	514	19
11				525	525	5 5	525	528	528	529	528	521	516	516	516	516	517	519	518	516	517	523	524	525	525	525	526	522	0	6 33	530	12 10	513	17
12	✓			524	524	525	526	527	528	531	531	525	519	515	512	511	513	513	517	520	521	523	524	525	525	526	526	522	0	6 26	532	12 36	510	22
13	✓	✓		526	526	526	527	528	528	527	524	519	513	515	521	521	516	516	516	518	522	526	527	528	528	528	528	523	0	5 56	529	10 02	512	17
14	✓	✓		529	531	531	531	531	531	532	533	526	521	517	520	521	521	523	522	522	524	525	527	528	530	531	530	527	0	7 03	535	10 13	516	19
15				530	530	531	530	531	531	532	530	523	515	506	508	514	521	521	521	516	522	(527)	527	528	529	528	528	524	0	6 40	533	10 50	505	28
16			✓	528	528	530	528	528	528	530	528	525	525	517	516	513	514	519	515	513	522	524	526	525	526	528	530	524	2	23 31	532	13 00	511	21
17				529	529	529	529	529	530	533	529	521	521	517	520	528	532	525	519	518	523	529	530	530	531	532	531	527	1	6 46	535	9 45	515	20
18				532	532	533	533	534	534	536	529	525	521	518	513	509	517	525	530	530	529	530	531	531	532	531	531	528	0	6 22	536	12 08	508	28
19				532	532	533	532	532	534	534	533	527	522	521	518	518	523	528	532	527	526	530	530	531	531	531	531	529	0	6 26	536	11 34	517	19
20				532	532	532	532	532	533	536	534	530	529	526	531	538	545	535	523	520	528	529	530	531	531	531	532	531	0	13 30	547	16 03	518	29
21				532	532	533	533	533	534	536	534	532	532	529	528	528	525	522	521	518	523	527	530	530	530	532	532	529	0	6 20	537	16 30	517	20
22	✓			531	532	532	532	533	533	535	535	529	528	531	529	531	528	527	526	524	524	528	529	530	530	531	531	530	0	6 40	536	16 54	524	12
23	✓			531	532	532	533	533	533	535	530	522	515	515	520	519	515	518	521	521	523	527	527	528	529	530	531	526	0	6 20	537	9 59	512	25
24				530	530	530	531	531	531	532	529	526	527	527	526	525	528	529	527	521	523	527	529	530	531	531	531	528	0	6 40	533	16 30	519	14
25				531	532	532	532	532	532	533	530	522	512	511	513	515	518	524	522	517	521	526	527	528	529	528	529	525	0	6 40	534	10 20	510	24
26				530	531	530	532	532	533	535	531	522	517	514	510	510	511	510	514	518	522	525	526	528	529	529	529	524	0	6 28	536	12 02	509	27
27				529	529	530	529	530	531	533	537	534	528	522	518	518	521	522	526	529	532	529	529	530	530	530	530	528	0	7 04	538	11 19	517	21
28	✓	✓		529	529	529	530	530	532	534	529	523	516	513	513	514	515	517	517	515	521	525	527	529	529	530	530	524	0	6 18	535	10 54	512	23
29	✓	✓		530	530	530	530	530	531	535	536	533	526	522	516	519	519	517	517	517	521	526	526	527	527	527	528	526	0	6 59	536	11 33	515	21
30				530	531	531	531	531	531	532	531	525	522	520	523	530	533	531	529	529	527	528	529	530	530	530	531	529	1	6 16	533	10 38	518	15
31				530	529	529	530	531	532	534	531	524	517	514	512	513	517	521	523	521	524	528	528	527	530	531	531	525	0	6 27	535	12 08	512	23
MEANS ALL DAYS				528	529	529	529	530	530	532	530	525	520	517	517	518	519	520	520	520	522	525	526	527	528	528	528	525						22
MEANS TEN DAYS ✲				528	528	528	529	529	530	532	530	525	520	518	519	520	520	520	520	520	522	525	526	527	528	528	528	525						20
MEANS FIVE DAYS (G. M. T.) †				528	527	529	529	529	530	532	530	526	521	518	519	519	518	518	517	518	522	526 526 525 526		527	528	528	528	525						
MEANS FIVE DAYS (G. M. T.) ‡				526	526	526	526	527	528	530	529	523	519	514	512	509	507	511	514	515	520	522	524	525	525	525	525	521						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 425

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1932 — AUGUST 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				530	530	530	530	531	533	534	532	527	526	526	525	522	514	512	518	522	525	528	531	529	529	530	531	527	0	6 39	535	13 46	512	23
2			✓	529	528	529	532	532	533	535	536	536	532	521	521	522	520	527	528	522	525	529	529	530	528	530	530	528	1	6 50	536	10 46	516	20
3			✓	529	529	532	527	530	532	533	531	530	526	526	524	524	528	529	525	526	525	527	531	530	531	531	530	529	1	6 05	534	11 52	521	13
4				528	529	530	530	530	530	533	534	531	525	526	528	526	526	525	520	520	525	528	529	531	531	530	530	528	1	7 15	535	15 50	519	16
5				527	527	530	531	534	534	532	528	519	510	507	510	513	517	520	521	521	525	528	528	528	529	530	530	524	0	4 50	535	10 45	506	29
6	✓			530	530	530	530	531	531	531	534	532	526	523	522	521	521	524	523	519	522	528	529	530	530	530	530	527	0	7 50	536	16 40	517	19
7	✓			530	530	531	531	533	534	537	540	534	530	531	533	538	537	528	523	522	521	526	528	529	530	530	529	531	0	7 14	541	17 05	520	21
8				530	530	530	532	533	536	538	535	525	518	518	517	514	517	522	523	521	523	528	530	530	530	530	530	527	0	6 35	539	12 31	514	25
9				529	530	531	531	530	534	534	532	527	520	518	513	514	515	518	517	519	525	529	531	531	532	531	531	526	0	5 25	535	11 51	512	23
10	✓	✓		531	531	531	532	533	533	533	533	528	519	515	515	517	521	525	528	527	527	529	528	531	532	532	532	528	0	6 10	534	11 28	514	20
11				532	533	533	533	534	534	534	529	527	528	534	543	546	543	536	530	529	527	528	529	530	530	530	531	533	0	12 18	547	8 40	526	21
12				531	532	534	535	535	537	540	539	532	524	516	518	520	518	519	520	524	527	529	530	531	532	532	532	529	1	6 27	541	10 30	514	27
13				534	534	536	534	533	534	534	531	529	525	522	517	514	516	525	524	523	526	528	532	532	532	532	532	528	1	2 30	538	12 34	513	25
14				532	533	532	533	533	535	535	534	534	531	528	524	520	519	518	521	525	527	529	528	529	530	531	531	529	0	6 09	536	14 15	514	22
15	✓			531	533	532	533	533	533	536	537	533	530	527	532	534	532	532	531	529	525	527	527	530	530	530	530	531	0	7 00	539	17 30	525	14
16	✓	✓		532	532	532	533	533	534	532	528	525	522	520	521	524	526	526	526	523	525	528	527	528	530	531	531	528	0	5 50	534	10 47	518	16
17	✓	✓		531	531	532	533	534	533	533	530	530	(531)	530	529	527	528	530	526	525	529	531	532	533	535	536	536	531	0	20 20	536	15 54	524	12
18	✓	✓		535	536	535	537	537	537	537	538	537	533	526	518	516	516	518	524	524	529	533	531	534	534	534	534	531	0	7 58	539	13 14	514	25
19	✓	✓		534	534	535	535	536	535	536	540	537	534	530	525	524	525	526	526	525	528	532	533	534	534	534	534	532	0	7 39	541	12 26	523	18
20				534	535	535	537	537	537	539	542	541	534	532	530	533	538	535	531	527	529	531	534	532	532	532	533	534	0	8 04	543	16 07	526	17
21				532	532	536	537	537	537	538	533	526	516	514	517	525	531	533	527	524	527	531	533	533	535	534	534	530	1	6 20	539	10 38	513	26
22				534	534	536	537	538	538	541	540	535	530	531	527	528	522	521	522	525	532	535	535	535	536	536	535	533	1	6 30	542	14 08	519	23
23				534	533	534	536	536	537	539	540	539	538	539	539	540	540	534	528	527	531	533	534	535	535	535	536	536	1	7 33	540	15 42	526	14
24	✓			536	536	536	536	537	536	537	535	531	531	535	536	539	542	538	529	528	530	534	535	535	536	536	536	535	0	13 53	546	15 45	528	18
25	✓			533	534	535	535	535	537	538	537	534	530	529	530	528	528	531	532	531	529	531	533	533	533	533	533	533	0	6 20	538	12 54	527	11
26				534	535	536	536	537	537	535	534	533	532	530	530	533	532	531	526	523	526	531	533	532	533	533	533	532	0	4 55	538	16 31	523	15
27			✓	534	532	531	534	534	535	538	540	538	534	527	527	530	528	532	532	527	523	531	533	533	525	528	533	532	1	7 06	543	17 33	520	23
28			✓	533	530	529	534	536	535	539	544	540	533	526	520	516	518	518	517	523	527	529	529	529	532	531	532	529	1	7 26	547	12 02	514	33
29			✓	532	532	534	533	533	537	535	532	528	523	514	515	517	520	520	524	529	530	529	529	532	532	532	532	528	1	5 48	538	10 55	512	26
30				533	533	533	534	535	535	536	533	525	514	505	503	510	511	514	515	521	525	529	529	528	530	532	532	525	1	6 02	538	11 24	500	38
31				529	530	533	532	533	534	533	534	531	526	519	519	521	525	525	523	522	523	525	526	527	530	528	529	527	0	7 24	536	10 42	517	19
MEANS ALL DAYS				532	532	533	533	534	535	536	535	531	527	524	523	524	525	526	525	524	526	529	531	531	532	532	532	530						21
MEANS TEN DAYS ✲				532	533	533	534	534	534	535	535	532	529	527	526	527	528	528	527	525	526	530	530	532	532	533	532	531						17
MEANS FIVE DAYS † (G. M. T.)				533	533	533	534	535	534	534	534	531	528	524	522	522	523	525	526	525	528	530 531	530 530	531	532	532	532	530						
MEANS FIVE DAYS ‡ (G. M. T.)				531	530	531	532	533	534	536	537	534	530	523	521	522	523	525	525	525	526	529	531	531	529	530	532	529						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 426

VERTICAL INTENSITY

SEPTEMBER 1932

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

SEPTEMBER 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				531	531	531	534	534	534	535	535	533	537	541	543	544	543	543	543	539	534	533	530	532	533	533	532	536	1	12	18	1	42	15
2				534	533	534	534	536	537	537	529	522	517	515	521	528	523	522	524	527	528	528	529	530	530	531	531	528	0	6	01	10	36	24
3	✓	✓		531	533	534	534	535	536	538	539	538	534	532	528	524	520	513	516	523	529	530	529	529	531	531	530	530	0	7	42	14	53	30
4	✓			532	532	533	534	535	536	538	542	542	537	533	531	525	512	511	517	522	528	531	529	530	530	530	531	530	0	8	00	13	45	35
5				530	530	531	532	535	534	534	532	524	514	505	505	511	514	514	515	518	525	527	530	530	529	531	532	524	0	5	51	10	45	33
6			✓	529	532	529	532	534	537	536	535	531	537	528	536	539	532	525	524	525	527	529	530	530	532	532	532	531	1	11	57	15	03	23
7				531	532	532	532	533	535	536	534	531	530	530	529	529	527	521	519	520	527	530	530	530	529	529	525	529	0	6	02	15	03	20
8			✓	532	531	532	534	535	536	535	531	528	529	524	520	519	520	520	520	522	527	529	530	531	531	529	532	528	1	5	50	11	50	19
9				532	532	533	533	535	535	535	537	537	531	523	517	519	520	517	513	516	525	529	530	532	532	532	533	528	1	7	38	15	42	25
10	✓	✓		533	532	534	534	534	534	534	535	534	527	524	524	526	530	524	521	525	528	530	532	531	534	535	534	530	0	7	33	15	08	17
11	✓	✓		534	534	535	535	535	536	536	536	535	535	534	538	541	535	522	521	524	529	533	533	533	534	534	534	533	0	12	36	14	42	22
12	✓			535	535	535	535	535	535	536	536	536	533	530	538	546	546	541	532	526	527	532	533	533	533	534	534	535	0	13	36	16	30	23
13	✓			535	535	536	537	537	537	539	538	535	536	540	549	550	544	537	534	528	528	532	532	534	535	535	534	537	0	12	31	17	24	25
14	✓			536	536	536	537	539	539	537	535	532	530	526	530	535	533	523	521	523	528	533	533	533	533	533	534	532	0	5	27	14	57	19
15				534	535	535	538	538	538	539	539	535	526	519	516	513	506	503	(507)	517	525	531	532	534	534	534	535	528	0	6	49	14	10	37
16		✓		535	536	537	538	539	539	539	541	538	534	(529)	524	522	521	520	522	526	530	532	533	534	534	535	535	532	0	8	04	14	14	24
17	✓	✓		536	537	538	539	539	540	544	549	550	545	543	548	548	544	540	538	532	532	532	534	534	535	535	535	539	0	8	10	17	30	21
18				535	535	537	538	539	541	543	542	533	523	513	510	517	516	518	521	524	525	531	532	532	533	536	536	530	0	6	54	11	09	38
19				535	536	536	537	539	542	544	548	545	538	525	525	524	522	525	528	530	534	534	535	535	533	532	534	534	1	7	15	10	44	29
20				535	535	536	538	538	540	543	547	546	537	530	535	536	531	527	526	527	531	533	534	533	533	534	536	535	1	7	54	14	38	23
21	✓			536	536	537	537	538	539	539	538	533	527	525	528	527	524	526	530	533	534	533	535	536	537	535	533	533	0	5	32	10	28	16
22				533	536	537	537	538	540	545	554	553	544	536	532	533	531	531	529	527	529	533	534	534	535	535	535	536	1	7	28	15	44	29
23			✓	536	536	538	539	542	539	541	548	547	551	549	550	551	548	544	543	539	537	536	537	538	537	537	535	542	1	9	17	1	15	19
24			✓	537	536	535	539	539	542	547	547	542	533	526	527	525	518	516	516	521	528	533	533	535	533	533	534	532	1	7	20	13	52	36
25			✓	536	536	534	536	539	540	542	546	540	535	528	535	533	534	531	524	528	531	537	538	538	535	537	538	535	1	7	28	15	30	25
26				536	536	538	539	539	539	543	546	547	545	541	541	543	540	531	526	527	531	534	535	533	534	536	537	537	1	8	08	15	42	22
27				538	539	540	540	540	541	538	531	529	526	526	530	530	533	535	536	532	532	535	536	536	536	538	539	535	1	5	56	10	26	17
28	✓			539	538	539	541	542	541	544	549	545	543	545	553	556	549	538	529	527	530	534	535	535	538	538	539	540	0	12	15	16	22	30
29				538	539	541	541	542	543	539	534	526	519	524	530	535	537	538	538	539	538	538	538	538	538	538	539	536	0	5	10	9	40	29
30				540	541	541	542	544	545	542	539	538	532	529	530	531	525	520	519	527	535	537	536	537	538	540	540	535	0	5	21	14	20	27
31																																		
MEANS ALL DAYS				534	535	535	537	538	538	539	540	537	533	529	531	532	529	526	525	526	530	532	533	533	534	534	534	533						25
MEANS TEN DAYS ✲				535	535	536	536	537	537	538	540	538	535	533	537	538	534	528	526	526	529	532	532	533	534	534	534	534						24
MEANS FIVE DAYS † (G. M. T.)				534	534	536	536	536	537	538	540	539	535	532	532	532	530	524	524	526	530	530 531	531 532	532	533	533	534	533						
MEANS FIVE DAYS ‡ (G. M. T.)				534	534	534	536	538	539	540	541	538	537	531	534	533	530	527	525	527	530	533	533	533	533	533	532	534						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 427

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1932

OCTOBER 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			541	541	543	543	543	544	545	544	538	535	537	536	531	531	534	537	536	535	537	537	538	538	537	538	538	0	6 21	546	12 40	530	16
2				537	537	540	540	542	541	546	553	552	548	548	547	530	519	518	524	529	533	536	536	537	538	537	538	538	0	7 27	555	13 40	517	38
3				538	538	540	542	543	544	546	547	544	538	534	527	519	516	517	519	522	528	537	536	536	537	537	537	534	0	6 50	548	13 18	515	33
4				537	539	539	540	542	543	549	548	538	532	522	512	507	505	512	519	525	531	535	536	536	537	537	537	532	0	6 49	551	12 59	505	46
5	✓			536	536	538	539	540	541	546	556	556	548	543	540	535	529	533	531	530	533	536	538	538	538	538	538	539	0	7 47	559	13 40	528	31
6	✓	✓		540	540	540	541	541	541	541	541	538	534	536	536	534	534	534	535	536	539	540	538	539	540	540	540	538	0	5 06	542	9 40	531	11
7	✓			539	539	539	539	540	542	538	532	527	525	525	523	521	522	523	521	528	533	537	537	538	538	538	537	533	0	5 45	543	12 40	520	23
8	✓			538	538	540	540	540	541	538	534	531	537	543	544	543	545	546	544	539	538	539	540	540	540	541	541	540	0	14 30	547	8 21	531	16
9				542	542	542	542	543	543	541	539	535	532	534	536	530	535	535	535	534	535	537	538	540	540	539	539	538	1	5 40	544	9 50	531	13
10				540	540	541	542	542	541	537	534	527	526	531	533	535	536	537	533	534	536	540	540	539	539	540	541	537	1	4 30	543	9 20	525	18
11				540	541	541	542	543	543	541	536	530	522	521	524	521	522	524	522	525	530	534	536	536	537	539	540	533	0	5 10	544	10 26	520	24
12	✓			540	541	540	541	541	541	543	544	542	541	545	547	546	549	542	532	532	534	538	539	539	538	539	539	541	0	13 05	549	16 01	531	18
13	✓	✓		539	539	539	539	541	542	540	538	534	535	539	536	532	537	535	528	532	532	534	535	536	536	537	538	537	0	6 20	542	15 20	526	16
14		✓		538	538	539	540	541	539	537	533	527	526	531	532	530	534	536	(538)	541	543	544	545	542	542	542	542	538	0	22 32	545	9 20	525	20
15			✓	543	544	543	546	551	553	556	560	554	546	544	541	537	540	537	532	532	535	537	541	544	542	545	544	544	1	7 11	563	15 07	532	31
16			✓	543	544	544	546	548	547	548	546	539	534	536	534	531	534	535	533	534	539	542	543	543	543	545	545	541	1	4 50	549	12 40	530	19
17				545	546	545	546	549	549	549	544	535	534	530	527	533	539	539	542	546	545	544	544	545	545	545	546	542	0	6 22	551	11 05	526	25
18				546	547	548	548	549	549	551	549	546	545	544	537	530	535	539	538	540	544	544	546	546	545	546	545	545	0	6 30	552	12 20	529	23
19				546	546	546	547	549	552	552	549	545	545	541	538	531	531	531	529	529	535	541	543	542	543	543	543	542	0	6 21	554	13 00	529	25
20			✓	545	544	545	546	548	548	553	551	551	557	554	545	537	541	536	531	529	533	541	541	539	539	543	544	543	1	9 30	559	16 04	527	32
21			✓	542	543	543	547	549	550	556	557	549	542	539	535	528	528	528	531	538	544	548	545	543	543	545	545	542	1	7 05	560	12 45	527	33
22				545	545	545	547	548	547	548	546	545	548	547	543	539	531	537	539	540	542	543	541	542	543	543	542	543	0	4 58	549	13 23	529	20
23			✓	541	543	543	543	547	547	550	548	546	541	542	541	540	537	532	531	533	539	542	542	542	542	542	542	542	1	6 40	552	15 15	531	21
24				542	542	542	543	546	547	546	540	537	537	537	533	528	532	533	530	531	537	543	544	544	544	543	543	539	1	5 20	548	12 31	526	22
25				545	546	546	547	548	548	545	539	534	535	541	543	543	544	540	532	531	537	543	543	544	544	545	546	542	0	5 30	549	16 10	529	20
26	✓	✓		544	545	546	546	547	547	543	539	536	535	533	535	536	536	533	530	534	539	543	543	543	543	543	543	540	0	5 09	548	10 35	532	16
27				543	543	544	545	547	548	552	554	545	545	547	545	539	534	532	526	525	533	540	544	542	542	542	543	542	1	7 20	556	15 58	525	31
28	✓	✓		543	544	545	546	546	545	545	545	541	543	545	544	543	548	548	538	535	541	544	544	543	543	543	544	544	0	14 01	550	16 22	534	16
29	✓			544	544	545	547	547	547	550	549	546	551	556	557	552	552	553	542	539	540	544	546	544	543	542	541	547	0	11 19	559	16 42	537	22
30				543	544	542	543	546	547	547	544	541	540	538	540	544	547	546	540	538	541	543	544	541	543	544	544	543	1	5 29	549	10 00	538	11
31				543	543	543	545	546	546	540	532	527	525	522	525	527	527	526	529	535	542	546	546	544	542	541	541	537	0	5 14	547	10 30	520	27
MEANS ALL DAYS				542	542	542	543	545	545	546	544	540	538	538	537	533	534	534	532	533	537	540	541	541	541	541	541	540						23
MEANS TEN DAYS ✲				540	541	542	542	543	543	543	542	539	538	540	540	537	538	538	534	534	536	539	540	540	540	540	540	540						18
MEANS FIVE DAYS † (G. M. T.)				541	541	542	542	543	543	541	539	535	535	537	537	535	548	537	534	536	539	538 541	540 541	540	540	540	541	539						
MEANS FIVE DAYS ‡ (G. M. T.)				543	544	544	546	549	549	553	552	548	544	543	539	535	536	534	532	533	538	542	542	542	542	543	543	542						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 423

VERTICAL INTENSITY

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1932 — NOVEMBER 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	539	543	541	541	544	545	550	549	549	549	547	544	546	545	546	537	538	542	545	543	544	542	542	544	544	1	6 53	553	15 50	535	18
2				542	544	544	545	546	545	548	553	558	561	557	555	548	546	546	549	546	545	544	544	544	544	544	543	548	1	9 18	562	0 35	540	22
3	✓			544	545	545	547	549	548	548	550	551	550	552	558	557	556	548	545	543	544	544	544	545	544	543	542	548	0	12 40	559	23 58	541	18
4				542	544	545	544	545	545	547	545	546	551	549	551	549	547	548	542	541	543	546	546	545	544	544	544	546	1	9 10	553	15 53	541	12
5				544	544	545	546	548	547	551	551	551	552	549	546	539	533	530	526	530	539	543	544	545	544	543	544	543	0	6 50	552	15 35	525	27
6	✓	✓		544	544	545	547	547	545	545	545	546	547	547	546	542	543	539	536	540	546	548	546	546	546	546	545	545	0	4 18	548	15 28	535	13
7				546	546	546	546	547	547	548	550	554	560	560	555	548	541	532	525	529	536	543	545	545	545	545	545	545	0	9 21	562	15 30	524	38
8	✓			545	546	546	547	547	545	545	547	551	556	556	556	549	547	549	544	537	538	543	544	545	544	544	544	546	1	11 45	557	16 59	536	21
9	✓	✓		545	545	546	546	547	546	543	541	543	547	551	553	555	558	552	546	540	542	545	544	545	546	546	546	547	0	13 38	559	16 36	539	20
10	✓	✓		546	546	547	547	547	545	544	546	550	554	555	555	550	541	537	533	535	542	547	547	548	548	547	547	546	0	11 25	556	16 00	533	23
11				547	548	548	549	550	549	550	554	552	551	549	549	547	543	541	536	535	541	546	547	547	547	546	545	547	1	7 32	554	16 05	533	21
12				544	546	545	547	548	546	543	541	539	535	530	529	526	533	536	536	537	544	546	546	545	545	545	545	541	1	4 46	549	12 15	525	24
13				544	546	546	546	549	547	546	547	551	552	552	553	553	550	550	547	545	548	548	547	546	546	546	546	548	1	11 57	555	0 26	543	12
14			✓	546	545	544	546	548	548	551	554	554	554	554	557	559	557	553	545	541	542	546	545	544	545	545	544	549	1	12 25	560	16 40	540	20
15			✓	546	545	547	547	548	548	552	556	559	560	(556)	557	558	555	548	539	536	539	540	539	539	537	536	539	547	1	[10 05	563]	16 19	535	[28]
16			✓	539	538	539	542	546	548	550	552	551	548	543	537	528	527	531	535	535	538	545	545	545	544	543	543	541	1	7 12	553	13 00	527	26
17			✓	542	541	541	545	546	544	547	557	560	566	567	564	556	543	529	529	535	540	543	545	545	545	544	547	547	1	10 00	570	14 45	526	44
18				543	544	546	546	548	546	546	546	548	542	539	533	521	519	521	524	534	540	544	544	543	543	544	544	540	0	4 18	549	12 50	517	32
19				542	543	544	545	545	544	550	558	564	561	557	551	536	535	534	530	533	538	542	543	543	530	543	543	544	1	8 33	565	15 39	529	36
20				544	544	544	545	546	543	547	552	560	560	558	563	563	563	557	551	548	545	546	546	545	545	545	545	550	0	13 23	564	5 35	542	22
21	✓			545	545	546	546	546	547	551	553	557	551	551	554	555	551	551	548	542	544	546	547	547	546	545	546	548	0	8 21	559	16 35	541	18
22	✓	✓		546	546	547	548	548	547	548	555	562	561	563	564	562	558	555	552	548	547	547	545	545	544	545	545	551	0	11 06	566	20 58	544	22
23				546	546	547	548	549	548	547	547	556	562	565	564	550	539	532	531	533	540	545	546	546	546	546	545	547	0	11 03	568	14 47	530	38
24	✓	✓		546	546	546	547	547	546	550	559	569	571	572	569	559	558	552	542	540	546	549	547	546	546	546	546	552	1	10 47	574	16 22	539	35
25				545	544	545	546	545	543	546	546	549	550	545	553	557	553	551	545	541	544	546	546	547	547	546	546	547	1	12 05	561	10 35	540	21
26	✓			545	545	545	546	548	546	547	548	550	553	551	552	553	550	542	535	535	541	546	546	546	546	545	545	546	0	11 59	556	16 20	533	23
27	✓			545	547	548	548	547	545	545	547	550	552	554	561	567	570	565	553	542	541	545	548	547	548	548	547	550	0	13 33	571	17 06	539	32
28				546	547	548	548	548	546	542	542	550	551	548	549	543	546	544	545	547	547	549	548	548	544	544	546	546	0	8 58	554	7 14	539	15
29				547	544	543	545	547	544	549	556	561	554	550	551	544	543	548	549	548	547	547	547	547	549	548	549	548	1	8 28	562	12 56	541	21
30				549	549	550	550	550	548	552	557	562	563	563	565	566	569	566	558	550	547	549	547	545	545	546	547	554	0	13 41	571	21 01	544	27
31																																		
MEANS ALL DAYS				544	545	545	546	547	546	548	550	553	554	553	553	550	547	544	540	539	543	545	545	545	544	545	545	547						24
MEANS TEN DAYS ✲				545	546	546	547	547	546	547	549	553	554	555	557	555	553	549	543	540	543	546	546	546	546	546	545	548						22
MEANS FIVE DAYS † (G. M. T.)				545	545	546	547	547	546	546	549	554	556	558	557	554	552	547	542	541	545	544 547	545 546	546	545	545	545	548						
MEANS FIVE DAYS ‡ (G. M. T.)				542	542	542	544	546	547	550	554	555	555	553	552	549	545	541	537	537	540	544	544	544	543	542	543	546						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 429

VERTICAL INTENSITY

DECEMBER 1932

500 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

DECEMBER 1932

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				547	547	546	548	549	551	551	554	561	561	560	561	554	533	529	533	537	542	548	548	549	549	549	549	548	0	8 44	564	13 56	528	36
2	✓			549	549	549	550	550	548	547	552	558	553	546	543	538	530	526	533	542	545	548	547	547	545	546	546	545	0	8 07	558	14 20	524	34
3	✓			545	547	547	547	547	547	549	553	555	552	551	551	542	535	533	537	538	539	542	543	544	543	544	544	545	0	8 16	556	14 04	531	25
4	✓			544	544	544	546	547	547	550	555	556	561	560	558	550	546	546	546	546	545	544	547	547	547	546	546	549	0	10 03	563	13 40	544	19
5	✓	✓		547	547	548	548	549	548	547	548	550	550	550	551	548	549	546	543	538	541	546	548	549	548	547	547	547	0	8 40	552	16 20	537	15
6				547	546	547	546	548	548	553	559	562	559	556	554	555	557	555	553	550	546	548	548	549	548	548	547	551	1	8 46	563	17 42	545	18
7	✓	✓		547	548	547	548	548	548	551	555	555	548	545	540	526	526	527	530	536	541	545	548	547	546	547	545	544	0	8 14	558	12 48	525	33
8			✓	542	540	540	544	546	545	548	558	562	556	552	551	545	541	540	542	539	538	543	542	540	543	544	545	545	1	8 21	563	16 43	534	29
9				545	545	546	547	548	547	546	552	549	539	532	537	542	544	545	542	542	544	546	546	546	546	546	546	545	1	7 20	554	10 13	529	25
10				546	547	547	548	547	546	550	559	558	559	559	558	548	544	548	548	544	544	547	548	547	547	547	547	549	1	10 32	561	13 14	543	18
11	✓			548	548	549	549	550	550	551	551	548	550	554	556	551	552	546	542	539	544	548	548	548	547	547	547	548	0	11 29	558	16 30	537	21
12	✓	✓		547	547	548	549	549	547	546	552	552	552	558	558	556	556	553	550	547	547	548	548	549	549	549	549	550	0	10 52	561	6 05	545	16
13				548	548	549	549	549	549	550	559	566	564	554	544	536	536	540	539	540	543	548	548	546	546	545	546	548	1	8 34	569	12 52	530	39
14			✓	547	549	548	549	550	547	547	559	570	578	566	552	550	557	555	550	546	549	553	553	552	552	552	551	553	2	9 03	583	5 57	544	39
15			✓	549	549	549	551	551	549	550	556	560	558	554	553	553	555	549	545	543	544	549	550	550	550	552	552	551	1	8 03	561	17 03	541	20
16			✓	549	550	550	550	552	549	552	562	568	569	562	557	557	559	561	556	555	556	554	552	551	551	551	551	555	1	9 00	570	5 58	547	23
17			✓	549	549	550	551	553	552	552	557	560	559	552	549	550	543	540	544	542	545	549	552	551	551	550	549	550	1	9 04	562	14 02	537	25
18				548	549	550	552	553	550	550	558	562	568	575	571	563	555	549	546	548	550	552	555	553	553	552	553	555	1	10 26	578	16 24	545	33
19				551	551	552	553	553	549	550	550	552	(552)	550	553	552	545	541	541	546	552	554	552	552	551	550	550	550	1	18 48	555	15 20	537	18
20				550	549	551	553	554	Δ												Δ	[550]	550	550	550	550	549		0					
21		✓		549	551	552	552	553	551	552	554	559	560	562	561	557	552	551	550	544	545	548	549	549	550	548	548	552	0	9 36	562	17 08	542	20
22				551	550	550	549	550	549	550	555	556	554	556	552	549	546	542	541	546	549	551	551	552	552	552	551	550	0	8 00	557	15 03	538	19
23	✓	✓		550	551	556	551	551	551	549	553	557	559	564	559	550	549	550	551	546	546	550	547	548	548	547	548	551	0	10 15	565	16 49	543	22
24	✓			549	550	550	550	550	549	547	546	550	555	565	568	556	550	556	555	551	551	553	554	550	550	551	550	552	0	11 16	569	7 11	545	24
25				550	551	549	548	549	549	550	558	562	564	571	563	561	557	552	548	547	545	547	550	549	549	549	549	553	1	10 14	574	16 44	545	29
26				549	549	549	550	550	549	549	551	554	553	555	546	540	545	547	550	556	555	552	553	550	548	545	546	550	1	16 13	558	12 40	539	19
27				549	549	548	549	549	547	548	552	553	556	558	563	560	551	543	539	539	544	550	550	549	548	543	548	549	1	11 46	564	16 35	538	26
28				549	550	550	549	550	549	550	548	547	533	537	551	550	551	550	543	548	552	553	552	550	549	550	552	548	1	13 43	553	9 50	531	22
29	✓			552	551	552	553	553	551	554	555	536	532	528	530	540	551	552	547	547	553	554	553	552	552	552	551	548	0	7 00	557	11 05	526	31
30				552	553	552	553	554	552	553	558	560	559	559	559	552	537	535	540	547	548	552	554	556	555	553	553	552	1	8 25	562	14 23	532	30
31				553	552	553	552	552	551	552	558	560	563	559	554	544	544	545	549	549	551	556	556	556	556	553	550	553	1	9 40	566	12 20	543	23
MEANS ALL DAYS a)				548	549	549	549	550	549	550	555	557	556	555	553	549	547	545	544	545	546	549	550	549	549	548	549	550						25 a)
MEANS TEN DAYS ✲				548	548	549	549	549	549	549	552	552	551	552	551	546	544	544	543	543	545	548	548	548	548	548	547	548						24
MEANS FIVE DAYS † (G. M. T.)				548	549	550	550	550	549	549	552	555	554	556	554	548	546	545	545	542	544	548 549 / 547 548		549	549	549	548	549						
MEANS FIVE DAYS ‡ (G. M. T.)				547	547	547	549	550	548	550	558	564	564	557	552	551	551	549	547	545	546	550	550	549	549	549	549	551						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day December 20

TABLE 430

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1933 — JANUARY 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	229	226	225	221	217	210	206	213	226	243	261	261	250	232	220	213	213	223	230	234	232	231	231	230	228	1	11 48	269	16 05	201	68
2				227	226	226	223	221	218	216	231	242	255	269	270	254	243	238	224	219	221	226	230	232	230	230	230	233	1	11 19	279	6 11	212	67
3	✓			228	227	225	224	220	220	216	221	228	240	257	266	266	265	255	226	216	222	224	229	228	228	227	226	233	0	13 12	270	16 04	213	57
4	✓	✓		225	224	224	224	224	222	218	225	242	256	266	269	247	237	233	220	211	216	219	226	226	226	227	227	231	0	11 18	276	16 35	209	67
5		✓		226	225	223	223	221	216	207	221	237	242	260	266	267	259	255	243	233	230	226	227	230	231	231	230	235	0	12 20	271	6 30	206	65
6				219	220	219	218	216	207	207	211	224	245	[267]	□							□	232	232	232	229	224		1					
7				224	224	222	223	224	219	210	216	224	233	247	251	241	216	214	221	230	233	230	236	233	231	229	226	227	1	11 19	255	13 57	203	52
8	✓			221	217	215	219	220	218	211	219	227	231	243	262	263	251	235	219	216	219	221	227	229	231	229	226	228	0	11 56	270	6 16	211	59
9	✓			221	218	217	217	218	214	209	216	235	256	283	280	248	244	248	247	240	235	232	232	231	230	229	226	234	0	11 11	291	6 41	208	83
10	✓	✓		221	220	218	216	215	212	205	212	226	241	252	267	271	262	242	225	218	222	223	228	229	228	227	223	229	0	12 30	273	6 33	203	70
11	✓	✓		222	218	217	216	214	209	203	214	227	239	253	256	244	231	223	222	220	222	228	231	230	226	225	224	226	0	11 25	258	6 17	201	57
12	✓			221	220	217	216	216	211	207	218	230	233	251	268	265	246	231	219	211	217	222	228	229	228	227	226	227	0	11 31	272	6 20	205	67
13	✓			226	224	220	218	215	208	193	201	227	251	275	263	246	236	222	226	227	229	225	229	230	228	227	226	228	0	10 57	281	6 31	191	90
14				222	221	218	216	217	217	211	217	225	230	241	250	244	238	221	208	211	222	228	237	235	231	229	223	226	0	11 39	253	15 29	205	48
15				213	212	206	196	211	213	211	236	258	266	274	276	265	253	257	257	255	241	234	232	231	231	228	226	237	1	11 21	281	3 30	193	88
16				221	216	213	208	210	216	211	210	221	236	(239	234)	226	(211	212	212)	216	226	227	228	230	229	228	224	221	0	9 57	246	3 39	206	40
17	✓			222	221	217	214	211	215	208	219	242	266	276	271	264	253	247	242	229	222	225	228	230	229	228	224	233	0	10 26	278	6 30	206	72
18	✓			220	220	219	216	218	219	219	235	250	256	263	247	220	207	211	221	229	234	234	231	231	230	228	223	228	0	10 50	267	13 45	206	61
19			✓	218	211	210	216	216	215	205	204	212	238	266	258	246	267	261	252	249	242	237	241	237	230	228	221	232	1	10 55	276	6 56	202	74
20				208	205	207	209	211	217	212	219	228	240	253	247	241	230	226	235	233	239	237	231	231	229	226	222	226	0	10 36	256	1 34	203	53
21		✓		219	217	214	215	216	215	209	214	224	228	237	246	252	242	229	232	236	235	234	235	231	229	231	229	228	0	12 33	253	6 32	207	46
22			✓	225	220	221	217	216	221	212	211	219	233	247	246	249	251	248	239	231	231	233	236	237	230	228	226	230	1	13 59	260	6 59	207	53
23				225	221	216	221	222	226	215	212	211	217	228	231	238	245	231	216	214	226	238	242	238	239	235	230	227	1	13 33	246	8 09	206	40
24				226	225	222	220	221	225	221	229	239	247	250	251	246	236	230	235	230	228	231	226	227	229	227	226	231	1	11 18	255	3 20	216	39
25				221	221	217	216	222	225	222	231	243	248	249	243	237	230	230	223	216	220	227	234	231	236	229	227	229	1	9 41	254	16 25	213	41
26				225	225	221	221	221	218	216	226	236	246	259	259	245	226	221	229	237	236	236	236	236	230	229	222	232	1	10 58	268	6 33	212	56
27			✓	219	220	220	218	219	218	212	220	231	242	247	258	251	236	230	220	217	227	236	238	233	234	234	226	229	1	11 12	261	6 23	208	53
28			✓	226	221	221	217	215	216	216	227	244	251	255	246	231	229	228	224	217	215	216	228	229	230	228	224	227	1	11 07	258	18 01	205	53
29				224	222	215	216	218	217	217	235	251	260	262	255	250	248	227	213	202	206	216	226	228	231	226	225	229	1	10 13	265	16 54	199	66
30				224	222	219	221	223	221	215	217	239	260	267	270	257	244	236	236	226	221	221	224	226	226	226	226	232	0	11 04	274	6 43	210	64
31				224	220	217	218	220	218	211	220	234	235	236	238	240	234	229	226	217	212	216	224	225	226	225	224	225	0	12 37	241	6 42	208	33
MEANS ALL DAYS a)				222	220	218	217	218	217	211	220	233	244	256	257	249	240	233	228	224	226	228	231	231	230	228	226	229						59 a)
MEANS TEN DAYS ✲				223	221	219	218	217	215	209	218	233	247	262	265	253	243	235	227	222	224	225	229	229	228	227	225	230						68
MEANS FIVE DAYS † (G. M. T.)				223	221	219	219	218	215	208	217	231	241	254	261	256	246	236	228	224	225	227 226	229 229	229	228	227	225	229						
MEANS FIVE DAYS ‡ (G. M. T.)				223	220	219	218	217	216	210	215	226	241	255	254	245	243	237	230	225	228	230	234	233	232	231	226	230						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day January 6

TABLE 431

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1933

FEBRUARY 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				225	222	221	222	223	223	219	222	229	234	251	257	256	261	257	237	226	214	216	220	224	226	226	225	231	0	13	27	263	17	20	212	51
2				226	225	227	221	222	222	210	217	232	245	262	262	232	221	225	223	224	225	223	227	226	222	219	220	227	1	10	52	272	6	47	207	65
3				217	217	217	217	219	220	212	217	229	233	238	242	252	256	250	232	222	219	224	223	223	223	223	223	227	0	12	40	257	6	41	208	49
4				221	218	217	218	218	217	210	215	229	247	254	247	241	239	238	235	224	221	223	228	231	231	225	221	228	1	10	23	258	6	30	207	51
5	✓			219	215	214	216	218	218	209	217	237	252	257	255	254	254	246	230	221	218	221	227	225	222	222	223	229	1	10	11	258	6	36	205	53
6	✓	✓		219	217	217	219	221	219	207	206	221	232	236	238	245	244	246	235	221	217	222	226	225	223	222	222	225	0	14	06	247	7	00	200	47
7				220	216	213	211	218	216	200	201	217	228	233	237	236	241	243	236	225	217	218	218	219	221	221	221	222	1	14	12	247	7	05	192	55
8				221	220	219	217	218	215	210	217	232	242	253	257	249	247	247	238	229	223	225	226	228	228	225	224	230	0	11	18	259	6	38	206	53
9	✓			223	222	221	220	219	217	208	210	227	242	255	257	255	248	246	243	229	219	221	224	226	225	226	225	230	0	11	50	257	6	53	204	53
10	✓			225	226	225	228	225	221	208	218	226	231	232	234	236	238	240	231	222	217	217	224	226	226	225	222	226	0	14	40	246	6	30	206	40
11	✓	✓		222	221	221	219	219	215	205	214	229	234	241	248	247	244	236	233	228	223	222	224	224	223	222	221	226	0	11	06	249	6	40	202	47
12	✓			218	220	219	218	217	216	208	214	228	238	248	249	247	243	239	236	227	219	218	222	221	221	220	220	226	0	10	56	254	6	40	207	47
13	✓	✓		219	219	219	219	220	221	212	213	225	237	250	262	269	261	252	243	236	225	218	219	223	221	221	220	230	0	12	24	272	6	40	209	63
14				219	216	212	214	217	214	201	202	209	230	252	263	262	264	263	248	228	215	218	223	224	223	221	217	227	0	13	39	269	6	50	197	72
15				216	217	214	211	216	218	199	192	204	(214	226)	241	245	253	252	248	243	232	228	229	229	226	225	223	225	0	13	40	255	7	21	188	67
16	✓	✓		223	221	220	221	226	228	214	203	204	212	228	241	248	261	264	255	248	236	228	225	226	225	224	223	229	0	14	10	268	7	40	202	66
17	✓	✓		223	222	220	221	223	225	213	202	201	208	217	226	240	253	258	254	239	229	227	225	226	227	225	221	226	0	15	00	259	7	49	198	61
18				220	219	218	218	220	222	218	208	204	208	216	229	238	253	260	249	234	227	226	228	225	226	224	223	226	0	14	29	263	9	18	200	63
19			✓	223	217	212	213	218	219	213	212	204	203	213	229	241	251	243	236	226	221	232	232	235	232	232	232	225	1	13	06	258	9	00	185	73
20				228	225	226	226	223	223	209	193	192	203	203	208	221	239	248	243	233	227	226	226	226	223	221	226	222	1	14	25	249	7	46	185	64
21			✓	217	223	226	226	225	222	211	204	205	207	221	224	226	235	244	241	238	238	232	239	228	230	229	220	225	1	14	33	247	7	50	199	48
22			✓	216	222	220	224	224	229	220	213	212	213	216	216	232	243	241	239	235	232	230	231	229	229	224	224	226	1	13	13	245	9	56	206	39
23			✓	225	221	211	219	228	231	224	219	221	224	233	238	237	243	249	243	232	225	229	231	231	230	228	226	229	1	15	00	252	2	38	207	45
24			✓	226	223	220	224	227	231	224	216	216	222	231	237	244	243	244	243	233	228	226	231	231	232	225	226	229	1	12	47	250	7	18	212	38
25				226	224	223	224	224	224	217	219	227	234	245	248	245	240	244	241	228	222	222	230	228	224	225	227	230	1	11	54	253	6	59	216	37
26				224	222	222	227	229	230	220	224	229	236	241	244	241	241	244	241	236	232	230	229	231	229	226	224	231	1	14	30	246	6	49	216	30
27				224	217	221	224	226	227	220	214	213	213	215	224	234	239	243	242	238	232	232	229	228	227	224	224	226	0	14	59	244	9	28	211	33
28	✓			225	226	224	224	225	228	222	219	221	223	224	229	231	233	233	234	234	226	224	226	227	227	229	227	227	0	13	45	235	7	33	217	18
29																																				
30																																				
31																																				
MEANS ALL DAYS				222	220	219	220	222	222	212	211	219	227	235	241	243	246	246	240	231	224	224	226	227	226	224	223	227								51
MEANS TEN DAYS ✲				222	221	220	220	221	221	211	212	222	231	239	244	247	248	246	239	230	223	222	224	225	224	224	222	227								50
MEANS FIVE DAYS † (G. M. T.)				221	220	219	220	222	222	210	208	216	225	234	243	250	253	251	244	234	226	222 223	225 224	225	224	223	222	228								
MEANS FIVE DAYS ‡ (G. M. T.)				221	221	218	221	224	226	218	213	212	214	223	229	236	243	244	240	233	229	230	231	228	228	225	224	226								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 432

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1933

MARCH 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			225	223	222	222	223	224	219	217	217	221	228	232	230	232	225	222	219	221	224	228	225	227	224	223	224	0	11 26	233	8 02	214	19
2	✓			222	221	220	220	222	225	220	217	222	226	234	239	244	248	244	237	233	224	222	226	224	226	224	222	228	0	13 58	250	6 55	216	34
3				222	221	220	221	220	221	213	208	209	214	226	235	245	258	260	246	234	225	224	228	226	224	223	222	227	1	14 28	263	7 20	205	58
4	✓			220	222	220	219	219	222	211	204	209	214	222	229	233	248	254	246	236	228	224	224	223	223	224	223	225	0	14 41	259	7 39	203	56
5	✓	✓		222	222	221	221	223	226	221	212	208	204	205	209	218	232	239	238	234	232	228	226	226	224	223	222	222	0	15 10	240	9 40	201	39
6	✓	✓		220	219	219	219	221	219	212	203	204	206	216	219	219	229	240	234	220	216	221	222	222	221	222	221	219	0	14 40	241	7 58	201	40
7	✓	✓		220	219	217	217	219	220	222	219	223	224	228	227	225	229	226	223	220	218	220	222	222	220	219	219	222	0	13 38	231	17 20	215	16
8	✓			218	216	215	216	219	222	215	212	215	212	213	214	213	219	219	214	209	216	225	223	223	223	224	223	217	0	18 40	226	16 30	208	18
9	✓	✓		223	223	221	221	222	221	209	202	199	202	210	215	219	226	228	226	219	220	223	225	224	223	224	223	219	0	14 04	230	8 19	198	32
10				219	220	219	220	222	223	216	210	213	220	226	232	236	(239	236)	235	229	226	224	226	232	229	224	223	225	0	[13 06	241]	7 29	209	[32]
11	✓			222	222	221	221	219	219	204	198	202	209	216	214	219	223	223	221	222	226	224	223	224	223	224	223	218	1	17 45	228	7 20	195	33
12				222	220	219	219	221	219	210	212	220	225	229	239	239	240	235	238	234	230	224	224	225	224	223	222	226	1	13 15	244	6 49	205	39
13				219	218	214	219	219	220	205	195	197	199	207	213	224	234	231	230	229	223	223	223	225	224	224	223	218	1	13 36	240	7 43	190	50
14				219	219	219	220	223	222	214	215	219	224	231	239	246	243	233	228	227	224	223	224	225	226	224	223	225	0	12 27	249	7 02	210	39
15				221	220	219	220	222	223	215	209	213	223	232	240	245	(244	235)	229	225	224	223	223	223	222	222	222	225	0	13 02	246	8 04	207	39
16	✓	✓		220	219	219	220	220	222	219	213	216	227	233	236	240	234	222	214	213	213	218	220	219	220	220	220	222	0	12 15	241	7 50	210	31
17				219	218	217	217	218	216	209	205	204	209	216	224	232	235	233	232	229	223	219	219	220	219	219	219	220	0	13 48	238	8 50	201	37
18			✓	216	223	224	224	224	225	224	220	219	224	225	236	249	244	239	232	218	213	217	222	224	222	223	223	225	1	12 42	252	17 10	210	42
19			✓	225	224	222	223	227	225	220	214	211	212	221	219	229	228	222	219	219	224	226	225	220	222	220	215	221	1	13 01	239	8 50	208	31
20			✓	219	215	219	223	225	223	219	221	223	228	235	243	254	249	238	231	223	217	219	219	222	222	219	219	226	1	12 30	257	1 34	212	45
21				217	220	223	222	219	218	204	202	204	205	209	212	218	220	220	214	209	213	219	214	217	219	220	224	215	1	23 20	227	7 44	199	28
22				224	219	222	222	224	225	219	213	210	213	222	228	230	232	233	233	229	225	221	221	222	222	222	220	223	1	15 01	234	8 06	205	29
23			✓	210	218	223	223	224	224	219	217	209	209	214	224	230	229	220	208	213	218	219	219	220	221	218	220	219	1	12 00	234	15 56	202	32
24			✓	223	215	220	224	228	226	223	223	231	235	232	228	234	232	228	222	214	215	220	221	222	223	221	221	224	1	12 30	238	16 41	212	26
25				222	223	220	221	222	223	223	224	230	234	233	229	231	231	224	213	206	209	218	219	220	222	223	223	223	0	9 08	235	16 50	204	31
26				223	222	219	218	219	221	213	212	216	220	223	224	226	219	219	218	219	221	220	220	221	222	221	219	220	0	12 05	234	6 55	209	25
27				217	215	213	215	216	222	223	207	206	210	221	233	229	229	225	223	219	216	219	221	221	222	223	220	219	1	11 55	239	8 01	201	38
28				218	218	219	219	219	223	221	216	214	215	222	232	236	236	239	237	234	224	218	220	219	220	221	219	223	1	14 10	241	9 09	209	32
29				218	218	219	221	223	225	219	215	223	227	231	232	233	231	229	221	215	210	214	217	217	219	219	220	222	0	12 24	235	17 30	207	28
30				219	219	223	223	222	221	214	213	214	219	222	229	239	240	234	228	223	219	217	218	219	216	218	219	222	0	12 45	242	6 57	211	31
31				221	222	223	223	225	224	212	209	214	223	232	242	252	252	254	243	227	219	218	219	219	220	215	212	226	0	14 44	255	6 47	207	48
MEANS ALL DAYS				220	220	220	220	222	222	216	212	213	217	223	228	233	235	232	228	223	220	221	222	222	222	222	221	222						35
MEANS TEN DAYS ✲				221	221	220	220	221	222	215	210	212	214	220	223	226	232	232	228	222	221	223	224	223	223	223	222	222						32
MEANS FIVE DAYS † (G. M. T.)				221	220	219	220	221	222	217	210	210	213	218	221	224	230	231	227	221	220	224 222	224 223	223	223	223	222	221						
MEANS FIVE DAYS ‡ (G. M. T.)				219	219	222	223	226	225	221	219	219	222	225	230	239	236	229	222	217	217	220	221	221	221	220	219	223						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 433

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓			215	220	223	225	223	219	212	203	201	199	206	223	236	242	242	234	225	219	218	218	218	219	219	218	220	0	13 22	245	9 28	196	49
2				219	221	224	228	225	226	224	217	213	209	212	216	228	234	229	219	210	210	217	217	216	217	217	215	219	0	13 15	235	9 00	207	28
3				212	218	220	222	226	224	223	212	214	219	224	228	232	231	223	212	208	210	218	221	222	222	222	219	220	1	12 17	233	17 16	205	28
4	✓			220	219	219	221	221	221	218	217	219	224	231	234	238	238	231	221	218	215	218	218	218	219	219	219	222	1	13 10	241	17 30	215	26
5	✓			220	219	220	221	222	223	222	221	216	219	226	228	231	(226	219)	215	214	214	216	218	219	218	220	219	220	0	11 55	232	16 20	213	19
6				219	214	215	217	222	224	225	230	233	234	230	223	221	215	214	220	229	226	224	225	224	223	220	219	223	0	9 41	238	13 52	212	26
7				215	218	217	218	221	224	230	227	221	221	214	212	220	224	233	233	230	224	222	222	222	220	220	217	222	1	7 30	236	10 21	207	29
8				215	215	215	220	223	224	227	232	234	234	230	230	237	241	237	232	221	216	219	219	218	218	217	216	225	1	13 22	243	2 05	213	30
9				217	216	214	213	213	220	216	212	207	213	221	223	230	236	234	225	222	219	219	218	217	217	217	217	219	0	13 35	239	8 52	205	34
10	✓			215	217	217	219	221	220	212	214	215	220	229	233	235	235	230	227	224	218	215	215	217	217	217	216	221	0	12 17	238	6 32	210	28
11	✓	✓		217	217	218	220	220	222	215	210	212	217	223	222	223	225	228	230	225	219	216	215	216	217	216	215	219	0	15 30	232	7 35	209	23
12	✓	✓		216	217	219	220	220	221	218	210	203	205	214	224	235	236	234	221	214	215	215	216	216	217	217	216	218	0	12 40	238	9 05	202	36
13	✓	✓		217	218	218	218	220	216	206	203	208	218	232	238	247	245	236	225	219	215	214	215	215	216	216	216	220	0	12 44	250	7 29	202	48
14				216	216	217	218	218	216	206	201	206	216	234	239	241	241	239	234	222	215	215	215	216	217	217	218	221	1	13 02	245	7 22	197	48
15			✓	218	218	219	218	219	219	216	224	233	237	(234	239)	243	240	235	227	216	217	220	218	213	217	221	221	224	1	12 21	246	16 52	210	36
16			✓	217	222	224	223	227	226	220	221	224	226	230	235	239	246	237	228	219	214	214	208	216	218	216	214	224	1	13 37	252	19 12	205	47
17			✓	217	218	221	222	225	228	224	219	200	203	197	207	220	230	232	224	215	212	214	215	216	215	218	218	217	1	14 31	233	10 41	189	44
18				215	218	216	218	224	225	222	215	217	217	218	224	227	225	225	225	216	211	217	215	215	219	216	217	219	1	11 48	232	17 21	210	22
19			✓	219	217	214	217	221	220	220	225	223	223	224	225	232	231	231	227	220	218	216	216	215	215	216	215	221	1	12 50	234	2 05	212	22
20				211	214	220	225	225	230	229	231	232	233	231	227	232	240	235	229	226	221	217	213	213	213	215	210	224	1	13 37	244	1 02	207	37
21				213	216	218	220	224	225	223	223	219	219	213	215	220	224	219	214	210	208	215	215	213	213	214	213	217	1	5 30	228	17 25	207	21
22				212	213	218	219	222	231	233	235	237	234	232	234	235	224	215	212	208	208	212	213	213	213	212	212	221	1	12 23	240	16 58	206	34
23				210	206	213	218	223	226	234	233	229	220	215	216	218	220	225	222	217	214	216	215	216	216	215	214	219	1	6 43	237	1 31	205	32
24				215	215	217	219	222	224	222	219	220	224	230	229	231	230	225	226	223	216	213	214	215	215	215	215	221	0	13 47	234	18 57	213	21
25	✓			215	215	215	218	222	222	218	220	221	220	217	215	220	224	223	225	222	218	214	212	213	213	215	215	218	0	15 36	228	19 35	210	18
26				215	215	215	220	223	225	228	224	215	210	218	223	228	236	236	229	217	213	213	213	214	215	215	214	220	0	13 50	240	8 59	206	34
27				215	215	215	216	217	218	214	211	212	219	221	220	222	225	224	218	215	215	214	215	215	215	215	215	217	0	13 20	228	7 23	209	19
28	✓	✓		215	216	216	219	220	220	217	217	218	222	229	228	234	239	232	221	213	211	213	211	213	214	214	214	219	0	13 38	240	17 03	209	31
29	✓	✓		214	214	215	216	217	221	222	217	209	211	218	226	228	228	220	216	214	213	213	213	215	216	216	217	217	0	13 00	230	8 36	207	23
30			✓	215	216	216	216	218	221	224	220	212	210	218	229	228	220	216	204	197	203	199	211	217	222	223	224	216	1	11 37	240	16 30	190	50
31																																		
MEANS ALL DAYS				216	216	218	220	221	223	221	219	217	219	222	226	230	232	229	223	218	215	216	216	216	217	217	216	220						31
MEANS TEN DAYS ✲				216	217	218	220	221	220	216	213	212	216	222	227	233	234	230	224	219	216	215	215	216	217	217	216	220						30
MEANS FIVE DAYS (G. M. T.) †				216	216	217	219	219	220	216	211	210	215	223	228	233	235	230	223	217	215	215 214 / 214 214		215	216	216	215	219						
MEANS FIVE DAYS (G. M. T.) ‡				217	218	219	219	222	223	221	222	218	220	221	227	232	233	230	222	213	213	213	214	215	217	217	217	220						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 434

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1933 — MAY 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1			✓	226	220	223	230	234	237	241	249	242	233	219	230	221	235	226	239	239	225	227	225	217	224	224	222	230	2	7 46	275	10 06	182	93
2				222	219	216	218	219	222	228	230	226	220	217	217	220	231	237	231	228	225	224	223	221	220	222	220	223	1	14 25	239	2 14	213	26
3				221	220	218	222	224	228	229	231	230	224	226	230	228	226	221	219	216	214	217	216	217	219	220	215	222	0	8 54	235	17 43	212	23
4				218	214	213	217	216	221	227	230	225	220	214	221	223	232	231	229	218	212	213	214	215	215	217	218	220	1	13 09	234	10 38	208	26
5				213	211	216	218	222	225	227	229	220	214	210	212	216	218	219	215	215	213	215	215	216	210	212	215	216	1	7 05	233	10 12	205	28
6				218	216	218	219	220	225	226	230	224	211	207	214	225	230	226	220	212	211	215	215	215	216	216	217	219	1	7 00	235	9 53	204	31
7				217	218	217	220	227	230	239	244	242	236	230	225	231	227	221	219	215	213	214	215	216	216	216	215	223	0	7 38	246	17 10	210	36
8	✓			215	216	218	219	222	225	227	231	231	226	221	215	223	238	238	229	220	215	215	213	214	215	216	216	222	0	13 50	242	11 2.8	212	30
9	✓	✓		217	219	221	221	224	227	233	232	227	221	216	215	222	224	226	224	218	215	214	216	216	216	216	216	221	0	7 08	236	10 55	211	25
10	✓	✓		217	219	218	216	221	224	231	235	233	236	235	237	246	244	232	222	217	214	214	214	215	217	218	216	225	0	12 46	250	17 20	213	37
11	✓			216	218	219	220	221	221	222	224	221	219	222	224	230	229	225	221	216	212	215	215	216	217	218	217	220	0	12 35	231	17 30	211	20
12		✓		217	219	221	222	224	226	229	226	216	210	203	205	222	224	223	224	216	211	213	211	213	215	216	214	218	0	6 44	232	11 10	199	33
13				214	214	218	220	223	224	221	220	223	223	223	221	224	226	224	217	215	211	212	211	215	218	217	216	219	0	5 18	226	19 04	206	20
14				218	220	222	223	224	225	231	227	222	222	219	220	222	223	227	224	220	212	217	216	217	220	216	210	221	0	6 52	238	23 13	208	30
15				217	224	225	224	225	229	230	232	226	218	213	213	218	222	225	223	215	208	213	216	218	218	219	218	220	1	7 18	235	17 40	205	30
16				219	219	220	221	224	230	239	240	228	213	208	203	204	211	223	222	214	212	212	213	214	215	216	217	218	0	6 47	242	11 40	201	41
17				218	220	221	224	228	230	226	221	220	218	218	213	209	(212)	218	223	214	211	211	211	218	211	208	214	217	1	5 41	231	22 35	204	27
18			✓	217	219	222	226	233	238	242	235	232	223	214	212	214	220	233	225	221	219	217	215	217	216	218	218	223	1	6 53	247	11 50	210	37
19				218	219	221	222	225	230	235	233	222	210	202	201	210	223	225	218	215	214	215	216	216	216	217	216	218	0	6 47	236	11 10	196	40
20	✓			216	217	221	222	225	227	234	231	217	203	199	192	197	205	216	215	212	210	211	212	213	214	215	216	214	0	6 53	237	11 40	190	47
21				214	215	218	222	226	226	224	223	223	221	213	216	224	229	233	235	226	217	214	212	213	214	215	214	220	0	15 10	236	10 40	210	26
22				216	216	216	217	221	224	230	228	215	201	198	191	192	206	216	218	216	214	215	215	214	215	216	216	214	0	6 41	234	11 42	189	45
23	✓			215	217	218	221	225	228	235	236	228	221	209	201	199	201	206	217	215	214	215	214	215	216	216	216	217	0	7 10	240	12 02	196	44
24	✓	✓		216	217	220	222	224	228	240	246	239	227	221	218	216	216	217	216	211	204	207	209	211	212	213	214	219	0	7 05	247	17 24	202	45
25	✓			215	215	216	217	220	223	226	225	221	215	207	199	196	202	211	220	216	207	209	210	210	211	212	214	213	0	6 38	231	12 16	194	37
26	✓	✓		214	214	214	215	216	221	228	231	229	224	219	211	211	214	221	221	216	211	212	211	211	211	212	213	217	0	7 32	234	12 02	209	25
27				212	214	215	216	219	222	226	222	211	200	191	185	195	197	208	212	210	206	211	215	216	217	220	220	211	0	6 38	230	11 22	180	50
28	✓			220	220	221	221	222	224	229	231	226	216	211	207	205	208	217	221	213	204	207	210	211	211	211	211	216	1	7 05	232	17 23	203	29
29			✓	212	214	215	217	221	225	226	229	221	210	208	207	215	214	212	216	216	211	211	214	218	223	220	221	216	1	7 19	234	11 20	203	31
30			✓	215	216	217	218	219	225	232	236	231	221	215	216	212	216	218	219	210	206	207	212	214	214	214	216	217	1	7 18	241	17 20	202	39
31			✓	210	206	213	219	218	218	212	215	220	206	210	221	234	233	231	224	212	206	211	211	211	214	204	207	215	1	12 41	243	1 02	193	50
MEANS ALL DAYS				217	217	218	220	223	226	230	231	226	218	213	213	216	221	223	222	217	212	214	214	215	216	216	216	219						36
MEANS TEN DAYS ✲				216	217	219	219	222	225	230	232	227	221	216	212	214	218	221	221	215	211	212	212	213	214	215	215	218						34
MEANS FIVE DAYS † (G. M. T.)				216	218	219	219	222	225	232	234	229	224	219	217	223	224	224	221	216	211	214 212	214 212	214	215	216	216	220						
MEANS FIVE DAYS ‡ (G. M. T.)				216	215	218	222	225	229	231	233	229	219	213	217	219	224	224	225	220	213	215	212	216	216	215	217	220						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 435

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1933

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	215	215	212	215	221	225	230	228	215	210	211	212	217	218	224	224	219	211	212	213	213	214	214	214	217	1	7 19	238	9 18	206	32
2				214	214	216	217	217	221	226	226	216	212	215	218	217	214	211	211	209	212	213	213	212	212	212	212	215	0	7 12	231	14 55	209	22
3				212	210	210	211	214	217	227	226	221	212	207	208	215	220	218	221	212	210	211	211	212	213	212	212	214	0	6 45	231	10 17	205	26
4	✓			212	213	214	216	220	222	226	230	222	213	211	215	221	226	227	221	213	211	212	212	213	214	214	214	217	0	7 40	231	17 00	209	22
5	✓	✓		214	214	216	218	221	223	225	221	212	202	201	205	218	235	225	216	210	209	212	212	213	214	215	215	215	0	13 35	237	9 41	199	38
6	✓	✓		214	214	215	216	216	217	217	212	208	206	204	216	235	237	228	221	212	209	209	210	211	212	212	213	215	0	13 10	240	10 22	202	38
7	✓			213	212	213	216	219	220	222	222	220	215	211	218	222	224	222	222	214	207	207	209	212	212	213	214	216	0	15 10	225	17 53	206	19
8				212	216	218	222	226	230	222	221	217	210	205	206	217	227	222	212	206	207	213	217	217	217	216	214	216	1	5 08	231	16 37	204	27
9				215	215	218	219	223	230	237	240	232	221	217	212	213	213	211	215	217	214	212	212	213	214	215	216	218	1	7 27	243	11 47	209	34
10				216	216	217	217	219	222	223	228	228	220	212	203	202	208	212	212	205	202	207	212	212	214	214	215	214	0	8 32	232	12 08	199	33
11	✓			215	215	214	216	217	219	225	227	220	211	212	213	214	218	219	221	218	212	211	212	214	214	214	214	216	0	7 16	230	9 30	209	21
12				215	217	217	217	217	218	223	223	216	208	211	222	232	235	226	212	207	206	205	205	207	209	205	218	215	0	13 30	237	22 36	197	40
13			✓	219	222	226	222	226	231	237	241	239	230	225	217	219	212	206	202	197	192	201	203	207	217	216	215	218	1	8 22	247	17 34	187	60
14			✓	215	216	221	220	219	225	233	230	225	211	205	210	212	216	217	208	203	202	204	209	209	207	214	215	214	1	6 41	236	17 08	199	37
15				216	217	217	218	221	222	226	227	221	(214	212)	212	213	216	217	214	206	202	205	207	209	211	212	214	215	1	7 21	229	17 21	201	28
16	✓	✓		214	213	216	219	220	225	230	233	226	217	211	205	205	207	215	212	205	203	209	209	209	210	212	213	214	0	7 20	235	17 15	201	34
17	✓			214	215	215	218	220	222	227	237	237	232	223	213	211	215	217	210	206	206	210	209	212	212	212	212	217	0	8 46	240	17 10	204	36
18		✓		215	214	216	217	218	222	228	227	216	208	207	208	213	217	222	221	215	209	208	212	212	212	212	213	215	0	7 10	232	11 00	206	26
19				212	214	216	217	223	227	235	233	217	208	197	191	197	205	211	212	202	201	204	206	204	211	214	217	211	1	6 56	242	11 28	187	55
20			✓	215	208	210	222	226	236	245	248	242	228	217	208	211	213	209	207	199	197	202	204	207	208	211	213	216	1	7 15	252	17 28	196	56
21				212	209	207	212	216	219	223	225	224	219	213	210	215	222	219	(212)	205	201	206	207	209	211	212	213	213	0	8 41	227	17 30	199	28
22	✓			211	213	215	217	219	222	230	235	231	223	215	217	217	219	220	216	208	206	207	207	208	209	210	211	216	0	7 31	236	17 10	204	32
23	✓			212	212	213	215	216	217	226	229	219	205	197	201	217	224	218	216	210	208	211	209	212	212	212	211	213	0	7 06	232	10 56	193	39
24	✓	✓		209	210	212	212	215	220	232	242	237	227	225	224	216	212	213	213	211	206	205	207	207	207	209	211	216	0	7 45	245	18 26	204	41
25				210	211	212	214	215	220	233	242	238	230	223	221	222	220	217	216	214	208	211	211	214	215	213	212	218	1	7 32	245	17 30	207	38
26				212	211	210	210	209	212	219	227	228	226	225	221	218	218	221	217	213	205	208	209	210	208	208	208	215	1	8 30	230	17 40	202	28
27				210	211	210	208	207	210	225	232	237	227	217	213	215	220	221	212	207	205	207	208	209	211	211	212	214	1	8 40	242	4 00	202	40
28			✓	212	209	207	209	211	217	222	228	227	220	222	213	211	220	217	205	204	202	202	209	207	208	210	213	213	1	8 09	235	18 10	198	37
29				211	208	207	209	212	214	219	220	220	215	214	217	217	217	224	222	211	205	206	205	207	207	209	207	213	1	14 35	226	17 16	202	24
30				212	212	212	212	212	215	219	218	211	203	205	203	198	199	210	212	207	207	207	207	207	207	208	210	209	1	6 35	222	13 17	195	27
31																																		
MEANS ALL DAYS				213	213	214	216	218	221	227	229	224	216	212	212	215	218	218	214	209	206	208	209	210	211	212	213	215						34
MEANS TEN DAYS ✱				213	213	214	216	218	221	226	229	223	215	211	213	218	222	220	217	211	208	209	210	211	212	212	213	216						32
MEANS FIVE DAYS (G. M. T.) †				213	213	215	216	218	221	226	227	220	212	210	212	217	222	221	217	211	207	210 210 209 210		212	213	213	213	215						
MEANS FIVE DAYS (G. M. T.) ‡				215	214	215	218	221	227	233	235	230	220	216	212	214	216	215	209	204	201	204	207	208	212	210	214	215						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 436

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

JULY 1933 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JULY 1933

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				209	210	211	214	215	217	224	231	227	219	217	219	223	222	222	227	212	200	205	205	206	206	207	207	215	1	7 58	236	17 30	197	39
2				207	206	207	209	215	217	222	227	222	214	209	207	212	219	219	215	203	198	203	207	206	207	207	207	211	0	7 30	227	17 30	197	30
3				209	211	213	216	217	218	219	221	222	218	209	211	214	218	220	211	204	202	203	205	205	207	208	208	212	0	7 19	227	17 10	199	28
4				206	207	211	213	216	217	222	228	229	211	197	191	201	206	211	212	197	196	202	202	204	206	206	208	208	0	8 29	232	11 28	188	44
5				210	213	215	216	218	218	218	218	213	210	208	210	231	241	243	237	218	206	203	203	205	207	208	209	216	0	15 00	245	19 40	201	44
6	✓			208	209	210	216	218	220	228	233	218	203	189	186	196	205	209	210	207	203	207	206	207	208	208	208	209	0	7 04	236	11 10	183	53
7	✓			210	211	212	215	218	222	228	232	227	222	219	211	210	214	215	216	215	209	205	206	207	207	207	208	214	0	7 30	233	18 50	203	30
8				208	208	211	213	215	218	223	228	228	221	212	211	214	217	208	199	189	184	186	198	208	209	210	209	209	1	8 03	233	18 30	184	49
9			✓	208	203	203	207	211	215	223	217	210	208	206	208	217	218	214	213	209	202	203	204	206	208	209	208	210	1	6 38	231	17 57	201	30
10				210	211	213	216	216	217	217	223	219	208	205	210	213	214	209	203	196	197	201	201	205	206	208	212	210	0	7 20	224	16 46	193	31
11				211	211	209	210	215	219	225	235	243	240	233	226	237	246	238	224	208	203	205	204	207	208	208	209	220	0	8 38	249	17 16	200	49
12				211	212	211	213	214	216	217	218	216	212	206	206	210	217	208	202	196	195	199	204	208	208	208	209	209	0	8 17	220	17 10	193	27
13	✓	✓		211	211	212	213	213	214	220	223	219	213	204	197	198	203	207	201	200	203	204	205	206	208	209	208	208	0	6 48	225	11 26	194	31
14	✓	✓		208	208	209	213	214	215	219	218	214	208	206	204	215	223	218	214	206	199	203	206	207	208	208	208	210	0	13 36	226	17 50	198	28
15	✓	✓		209	210	213	212	213	215	218	223	217	211	209	208	215	221	222	211	203	197	198	203	205	207	208	208	211	0	7 37	225	17 30	196	29
16	✓			208	211	212	216	218	220	228	234	230	220	208	205	205	209	207	206	203	198	203	206	206	207	207	207	211	0	7 00	238	17 15	197	41
17			✓	207	206	206	210	213	218	223	227	217	203	195	(200	207)	210	219	214	206	198	204	210	214	212	213	215	210	1	6 55	235	10 44	193	42
18				208	207	204	208	213	216	226	231	222	217	213	217	218	217	208	208	204	203	204	205	204	206	205	206	211	1	7 30	233	16 30	202	31
19				208	206	205	208	212	213	218	224	219	209	204	204	213	217	224	231	222	208	207	208	208	208	208	208	212	0	15 35	233	10 05	203	30
20				206	207	208	209	207	214	228	237	233	218	208	204	199	193	194	198	193	196	203	205	206	208	208	208	208	0	7 52	239	16 55	191	48
21	✓	✓		209	208	209	210	213	214	215	226	230	231	231	215	206	209	208	219	218	211	210	206	208	210	210	208	214	0	10 15	234	12 48	203	31
22	✓			206	206	206	209	213	217	225	231	225	221	218	213	212	215	216	218	213	206	204	205	208	209	209	209	213	0	7 02	234	18 00	202	32
23			✓	209	209	210	210	211	213	218	229	226	204	213	217	228	236	228	221	211	199	208	210	211	213	214	213	215	1	13 25	238	17 18	193	45
24			✓	215	210	193	191	208	211	222	229	226	220	206	211	224	224	219	210	207	205	205	205	208	209	209	209	212	1	7 50	233	3 05	187	46
25				209	209	210	210	215	218	223	234	235	229	226	220	214	211	209	205	205	205	208	206	207	208	208	208	214	0	7 32	238	16 00	204	34
26				208	208	208	210	211	215	220	229	228	219	216	211	216	212	211	211	208	200	205	206	210	210	210	208	212	0	7 55	230	17 30	198	32
27			✓	208	211	212	213	217	219	227	228	223	221	210	200	201	207	214	211	207	207	208	208	208	208	208	208	212	0	7 06	236	12 35	198	38
28				208	208	207	207	208	215	226	231	228	220	215	218	218	216	208	204	198	198	201	205	207	208	207	208	211	0	7 45	233	17 12	197	36
29	✓			208	208	208	212	214	218	220	223	216	214	207	201	201	203	208	210	213	203	201	207	208	208	208	209	210	0	7 57	226	11 54	199	27
30	✓	✓		210	210	210	210	212	212	217	221	217	217	216	218	223	222	222	217	208	197	198	201	202	205	207	208	212	0	7 25	226	17 45	195	31
31				208	208	208	209	211	212	212	216	209	199	198	207	216	218	215	208	207	203	202	203	207	208	208	208	208	0	13 23	223	9 56	194	29
MEANS ALL DAYS				209	209	209	211	214	216	222	227	223	215	210	209	213	216	215	212	206	201	203	205	207	208	208	209	212						36
MEANS TEN DAYS ✻				209	209	210	213	215	217	222	226	221	216	211	206	208	212	213	212	209	203	203	205	206	208	208	208	211						33
MEANS FIVE DAYS (G. M. T.) †				209	209	211	212	213	214	218	222	219	216	213	208	211	216	215	212	207	201	202 203	205 204	207	208	208	208	211						
MEANS FIVE DAYS (G. M. T.) ‡				209	208	205	206	212	215	223	226	220	211	206	207	215	219	219	214	208	202	206	205	209	210	210	209	211						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 437

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1933 AUGUST 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		208	209	210	212	213	216	216	216	207	198	198	201	203	209	218	206	196	194	198	202	205	205	206	206	206	0	14 20	219	17 20	193	26
2	✓			208	209	210	211	213	215	220	229	228	218	209	209	206	209	213	204	199	198	199	203	204	204	206	207	210	0	7 47	231	17 30	197	34
3	✓			209	210	210	212	214	215	223	235	236	227	221	217	213	212	211	208	203	199	201	205	206	208	209	209	213	0	7 55	237	17 35	198	39
4				211	211	212	214	216	218	225	228	214	199	199	201	208	219	228	226	210	201	199	205	207	208	209	209	212	0	7 05	231	18 10	196	35
5			✓	209	208	212	218	221	233	258	266	241	224	199	191	190	199	204	200	209	210	208	211	211	204	207	213	214	1	7 27	274	12 22	177	97
6			✓	214	211	213	219	222	228	240	248	234	226	229	228	226	224	222	219	211	208	209	210	210	209	210	211	220	1	7 23	252	17 30	207	45
7				212	212	212	212	217	220	222	224	222	219	217	217	219	219	213	213	216	209	207	209	209	209	209	210	214	0	7 25	228	18 30	204	24
8				211	211	213	217	220	225	237	234	219	208	210	214	211	212	207	209	211	209	205	208	209	209	211	211	214	0	6 52	243	18 24	204	39
9	✓	✓		212	212	213	215	219	224	233	229	225	219	211	203	194	195	206	211	210	206	207	208	209	209	209	209	212	0	6 26	236	12 55	193	43
10	✓	✓		209	209	210	213	218	222	231	234	229	222	219	209	201	209	212	217	212	203	204	207	207	209	209	209	214	0	7 11	236	12 08	199	37
11	✓	✓		209	211	212	214	218	221	224	226	220	208	200	201	207	213	215	215	210	207	208	208	209	209	209	210	212	0	7 46	227	10 30	199	28
12	✓			210	211	213	216	219	220	221	216	208	199	198	203	210	214	216	219	212	203	200	200	206	208	209	210	210	0	6 18	222	10 05	196	26
13			✓	210	211	213	217	215	219	221	224	216	205	202	201	216	221	219	221	214	217	214	211	210	211	210	210	214	1	7 39	229	11 57	196	33
14				209	206	208	215	220	222	231	238	236	226	221	219	211	219	218	217	212	211	211	209	209	211	210	210	217	1	8 04	241	2 00	204	37
15				209	210	210	209	211	217	223	226	222	220	(219)	225	233	242	242	229	212	207	209	208	207	209	209	209	217	0	13 45	246	17 25	205	41
16				209	209	209	210	216	221	227	224	214	207	199	199	209	221	229	227	221	217	213	209	210	210	209	209	214	0	6 40	229	11 07	194	35
17				206	207	204	205	214	222	229	228	219	209	204	202	196	203	212	222	219	211	215	213	211	210	211	211	212	1	6 49	233	12 58	193	40
18			✓	210	200	202	210	212	218	222	218	211	209	206	208	209	(210	220)	226	230	221	217	208	214	217	209	209	213	1	16 14	233	2 04	197	36
19				208	199	196	200	210	217	228	227	209	201	196	199	199	205	213	216	216	212	212	211	212	212	211	211	209	0	6 30	233	10 36	193	40
20				209	206	208	210	211	216	221	214	208	201	199	206	214	220	233	230	221	215	212	211	212	209	210	208	213	1	14 50	239	10 24	196	43
21			✓	207	204	205	206	206	209	218	219	219	211	205	199	193	201	212	220	221	217	213	210	209	209	210	211	210	1	8 00	228	12 58	190	38
22				211	210	208	212	214	220	224	221	214	211	213	218	223	220	214	212	209	207	208	207	206	207	208	208	213	0	6 38	225	20 32	205	20
23				208	208	207	206	214	219	217	217	219	214	217	222	218	224	227	223	219	211	209	207	208	209	210	209	214	1	14 02	229	3 47	202	27
24				209	208	207	204	204	219	222	223	217	211	204	200	203	210	224	229	223	218	219	214	209	207	205	204	212	1	15 30	232	11 16	196	36
25				203	204	203	211	215	218	215	216	214	212	212	214	214	219	224	223	214	209	208	207	208	209	210	207	212	1	14 15	225	2 20	199	26
26				208	209	208	209	213	216	220	221	220	218	217	217	215	218	218	215	209	203	203	205	206	207	207	206	212	1	7 12	224	17 50	199	25
27				206	207	208	210	210	214	217	214	207	201	207	214	221	224	225	224	213	204	205	206	207	208	208	208	211	0	14 35	227	9 30	198	29
28				208	208	209	210	213	211	208	201	194	190	192	201	219	229	227	224	214	206	204	203	206	207	207	208	208	0	13 20	230	9 40	189	41
29	✓			207	208	208	209	215	218	219	218	208	203	198	204	216	223	222	218	211	208	206	205	206	206	207	206	210	0	13 05	225	10 30	197	28
30	✓			208	208	208	211	213	215	218	217	210	201	195	203	216	224	224	218	208	200	198	202	205	207	207	208	209	0	13 35	228	10 12	192	36
31	✓	✓		207	208	208	209	210	215	220	217	206	200	200	199	209	218	217	211	208	205	206	206	203	207	207	206	208	0	7 05	223	11 05	198	25
MEANS ALL DAYS				209	208	209	211	214	219	224	225	218	210	207	206	210	216	219	218	213	208	207	207	208	208	209	209	212						36
MEANS TEN DAYS ✲				209	210	210	212	215	218	222	224	218	210	205	205	208	213	216	213	207	202	203	205	206	207	208	208	210						32
MEANS FIVE DAYS † (G. M. T.)				209	210	211	213	216	220	225	224	217	209	206	203	203	209	214	212	207	203	203 205	206 206	207	208	209	209	211						
MEANS FIVE DAYS ‡ (G. M. T.)				210	207	209	214	215	221	232	235	224	215	208	205	207	211	215	217	217	215	212	208	209	208	209	210	214						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 438

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1933

SEPTEMBER 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				205	205	206	208	211	219	228	224	217	209	204	198	206	219	218	213	206	201	202	202	202	204	203	203	209	1	6 24	232	11 28	196	36
2				207	208	210	212	217	220	229	229	225	210	199	196	206	215	219	216	208	202	203	204	205	205	205	205	211	1	6 57	235	11 00	194	41
3	✓	✓		206	206	208	210	215	219	220	215	206	202	207	218	232	227	214	208	208	207	207	206	206	206	207	207	211	0	12 54	236	9 18	200	36
4	✓			207	207	208	210	215	219	218	213	213	210	208	208	213	214	218	208	204	201	203	206	207	207	207	207	210	0	14 30	223	17 15	200	23
5	✓	✓		207	207	208	209	213	218	218	217	209	203	197	198	209	216	216	210	205	199	204	204	204	204	205	205	208	0	5 55	220	11 05	195	25
6	✓	✓		206	207	207	209	213	218	226	226	216	206	199	199	207	201	196	195	193	197	199	204	205	206	207	207	206	0	7 04	229	16 30	192	37
7	✓			208	209	208	210	215	217	217	210	202	200	198	198	203	209	208	204	198	200	205	204	205	206	207	208	206	0	6 38	218	10 47	195	23
8				208	211	214	216	216	222	233	236	232	226	211	205	202	210	214	204	189	189	198	201	201	205	203	200	210	1	7 25	237	17 03	186	51
9			✓	187	179	177	198	218	225	239	265	269	268	264	240	231	234	239	227	215	210	217	218	217	217	215	209	224	1	9 01	276	2 27	166	110
10			✓	205	207	211	210	210	213	217	219	219	213	210	210	219	229	224	211	208	208	211	210	210	209	209	209	213	1	13 25	233	0 57	200	33
11				208	208	202	205	211	218	216	215	218	226	233	237	234	235	223	212	208	211	216	212	209	208	206	202	216	1	10 34	238	2 30	199	39
12				206	208	205	208	210	209	207	199	198	199	207	213	218	223	233	219	217	211	209	209	209	210	209	208	210	1	14 00	225	7 37	196	29
13			✓	208	208	208	208	213	218	221	219	215	219	221	212	212	227	233	231	225	218	219	218	215	209	211	210	217	1	15 06	238	11 16	203	35
14			✓	210	208	208	210	210	215	217	220	219	217	221	230	237	238	231	228	222	220	218	218	211	209	200	188	217	1	13 10	243	23 11	186	57
15			✓	193	204	208	213	212	209	213	215	(216	213)	213	217	230	239	230	217	208	207	209	210	210	208	209	206	213	1	13 01	243	0 06	188	55
16				206	205	208	214	212	214	217	215	209	208	209	209	210	218	220	219	214	208	207	210	211	207	208	208	211	1	14 25	222	1 30	203	19
17				208	208	208	212	217	218	220	209	199	193	194	197	206	218	219	217	206	198	203	208	206	206	208	209	208	0	13 55	224	9 30	190	34
18				209	210	212	211	213	216	215	208	203	201	199	200	206	212	211	211	207	205	208	209	209	208	207	206	208	0	5 53	218	10 44	198	20
19				207	206	205	208	211	215	217	216	210	208	200	206	199	203	207	208	209	211	216	213	210	209	207	197	208	0	6 11	217	12 40	195	22
20				199	208	210	212	216	223	234	236	228	218	208	200	200	205	207	207	207	208	210	212	209	208	207	205	212	0	7 05	237	0 00	196	41
21				204	206	208	209	212	218	228	236	232	229	226	228	218	217	218	218	216	211	208	209	209	206	206	207	216	0	7 20	237	0 40	203	34
22	✓			207	207	207	208	210	216	218	217	217	211	209	208	216	219	218	212	206	203	206	208	209	208	208	208	211	0	14 13	223	17 25	201	22
23	✓	✓		204	201	200	207	209	210	210	217	226	225	224	229	236	229	217	207	207	207	206	207	206	205	205	206	212	0	12 04	237	2 48	197	40
24	✓	✓		206	205	204	207	208	207	199	198	205	207	210	218	228	227	219	208	202	202	206	206	206	206	206	205	208	0	12 30	231	7 20	196	35
25				204	204	205	206	205	205	202	194	189	191	191	199	201	207	216	215	206	204	205	208	208	208	208	209	204	1	14 30	217	9 25	187	30
26				210	208	207	208	208	209	207	205	204	200	200	206	212	220	221	207	205	207	207	208	209	210	209	207	208	0	14 00	226	9 48	197	29
27				207	206	207	206	206	207	205	206	205	202	206	214	220	220	218	215	207	198	200	204	199	201	205	205	207	0	12 47	225	17 30	198	27
28				206	206	206	206	207	206	201	200	196	190	195	204	209	210	211	209	205	207	207	207	206	205	205	205	205	1	14 30	216	9 45	189	27
29	✓			202	205	204	205	205	205	198	195	190	188	197	207	217	218	222	216	208	206	203	204	206	206	206	204	205	1	13 57	226	9 13	187	39
30	✓			203	202	203	204	205	204	198	197	199	206	215	225	225	224	225	223	215	207	207	206	206	205	205	205	209	0	11 44	227	7 08	196	31
31																																		
MEANS ALL DAYS				205	206	206	209	211	214	216	216	213	210	209	211	215	219	218	213	208	205	207	208	208	207	207	205	210						36
MEANS TEN DAYS ✲				206	206	206	208	211	213	212	210	208	206	206	211	219	218	215	209	205	203	205	206	206	206	206	206	209						31
MEANS FIVE DAYS † (G. M. T.)				206	205	205	208	212	214	215	215	212	209	207	212	222	220	212	206	203	202	204 204	206 205	206	206	206	206	209						
MEANS FIVE DAYS ‡ (G. M. T.)				201	201	202	208	213	216	221	228	228	226	226	222	226	233	231	223	216	213	215	213	211	210	208	203	216						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 439

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1933

OCTOBER 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		204	204	204	204	205	205	204	201	204	204	203	206	209	206	204	204	200	200	203	206	205	203	202	202	204	0	12 30	212	17 30	199	13
2	✓			201	199	198	199	204	206	201	199	198	189	187	(192	199	200	202)	203	197	197	204	207	207	206	205	205	200	0	[14 38	215]	10 20	185	[30]
3	✓			204	202	200	201	203	207	207	207	206	197	196	199	205	205	206	204	198	198	204	205	205	204	204	200	203	0	5 55	209	9 40	194	15
4				198	199	200	201	204	206	205	204	206	216	224	225	215	207	198	195	190	196	200	207	207	206	206	207	205	0	11 17	227	16 15	189	38
5			✓	206	201	200	200	202	197	187	199	209	215	218	229	227	234	226	215	207	205	206	212	212	210	205	204	209	1	13 27	236	6 27	185	51
6				204	203	203	198	195	199	196	198	207	203	205	210	217	219	217	210	207	205	205	206	205	206	206	204	205	0	13 35	224	4 10	192	32
7			✓	201	195	197	197	196	196	196	205	210	215	227	247	241	210	198	195	198	206	210	212	207	208	206	204	207	1	11 59	254	15 07	188	66
8				204	204	201	202	198	204	206	213	218	225	232	236	227	217	217	215	209	208	207	210	209	208	204	199	211	0	11 29	237	4 40	195	42
9			✓	200	200	200	200	199	205	202	207	210	215	223	226	224	222	221	209	207	208	208	210	207	206	205	205	209	1	10 40	231	4 15	195	36
10				202	197	194	197	197	198	200	207	206	207	212	225	229	229	226	214	207	207	207	206	206	205	204	205	208	0	13 11	234	2 36	192	42
11				205	200	198	201	204	204	198	200	205	208	224	234	236	237	233	218	209	207	214	215	210	205	205	204	211	0	12 58	239	6 20	197	42
12				197	190	197	203	205	204	199	205	206	209	221	224	224	227	225	209	200	199	203	206	207	206	205	205	207	0	14 25	228	1 25	188	40
13			✓	204	202	202	201	201	205	202	204	205	206	203	214	218	223	219	207	198	202	205	205	206	207	206	205	206	0	13 23	227	10 30	196	31
14			✓	201	197	197	195	197	198	200	204	215	216	226	236	235	227	219	208	204	206	207	210	208	206	204	205	209	0	11 10	240	3 05	194	46
15				205	205	204	203	200	198	196	199	198	204	217	223	220	221	215	205	206	207	207	207	207	206	206	205	207	0	11 35	227	6 25	193	34
16		✓		202	199	196	198	201	204	203	206	206	207	215	(217)	207	195	195	191	194	197	207	207	207	206	205	204	203	0	10 46	219	15 20	190	29
17				200	197	198	198	198	201	203	205	204	205	212	224	230	233	224	217	209	207	209	214	210	208	206	205	209	0	13 35	236	1 50	196	40
18				197	187	190	186	191	200	201	206	210	216	222	217	206	198	199	196	193	199	205	206	205	206	206	205	202	1	10 00	226	4 00	184	42
19				204	202	200	200	203	205	205	213	220	233	238	229	218	213	214	215	208	206	206	206	206	205	205	204	211	0	10 56	239	2 35	198	41
20				203	197	198	203	203	204	196	195	197	205	216	224	218	215	213	211	206	206	208	209	208	207	206	205	206	0	11 35	225	7 00	194	31
21	✓	✓		201	197	196	197	200	204	203	206	210	219	226	237	239	237	231	221	207	200	198	201	202	203	204	204	210	0	11 56	244	2 10	195	49
22	✓			203	201	201	197	196	197	196	206	215	218	227	235	225	206	196	190	190	196	202	202	204	204	204	203	205	0	11 20	236	16 00	189	47
23	✓			198	198	197	198	200	197	191	193	202	212	217	216	215	213	209	201	194	197	202	204	204	203	203	203	203	0	11 00	218	6 30	189	29
24				203	202	197	196	198	196	186	184	186	196	206	209	206	203	206	208	204	204	204	206	209	209	205	202	201	1	11 35	216	7 30	180	36
25				203	199	199	197	198	205	205	203	197	204	207	204	197	196	196	199	201	198	203	204	204	205	204	203	201	1	9 50	214	13 50	192	22
26				203	200	195	200	203	206	204	204	206	218	225	219	207	207	213	217	211	208	208	206	205	206	205	204	208	0	10 07	229	2 23	190	39
27	✓			199	199	200	200	201	203	204	207	209	211	212	207	205	206	208	203	196	199	205	205	206	205	205	204	204	0	10 37	215	16 35	195	20
28	✓	✓		201	197	195	197	199	204	204	206	206	216	225	223	219	223	219	204	196	198	204	205	205	204	205	203	207	0	10 33	226	2 30	194	32
29	✓	✓		200	198	197	196	198	197	193	195	202	214	219	215	207	200	201	196	198	199	204	205	205	204	203	203	202	0	10 32	220	6 20	191	29
30	✓			199	196	196	197	199	195	195	201	206	216	226	234	227	218	214	204	197	198	203	205	204	204	203	203	206	0	11 30	236	5 55	192	44
31				199	197	197	196	197	197	199	204	208	216	223	217	210	206	204	194	188	192	201	204	205	203	200	196	202	0	10 54	226	16 20	187	39
MEANS ALL DAYS				202	199	198	199	200	202	200	203	206	211	217	221	218	215	212	206	201	202	205	207	206	206	205	204	206						36
MEANS TEN DAYS ✲				201	199	198	199	200	202	200	202	206	210	214	216	215	211	209	203	197	198	203	204	205	204	204	203	204						31
MEANS FIVE DAYS (G. M. T.) †				202	199	198	198	201	203	201	203	206	212	218	220	216	212	210	203	199	199	206 203	206 205	206	205	205	204	205						
MEANS FIVE DAYS (G. M. T.) ‡				202	199	199	199	199	200	197	204	210	213	219	230	229	223	217	207	203	205	207	207	207	207	205	204	208						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 440

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1933

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			195	194	193	193	194	190	189	196	201	208	217	216	206	204	200	195	195	199	206	207	206	205	204	203	201	0	11 17	222	6 02	186	36
2				199	196	194	194	195	197	201	206	211	219	231	228	224	216	209	199	189	193	200	205	205	204	204	203	205	0	10 55	234	16 40	186	48
3				196	195	195	196	195	195	187	187	194	206	216	222	219	218	214	206	200	199	208	210	206	205	204	199	203	0	11 42	226	7 00	185	41
4				196	196	196	196	196	196	185	187	197	206	205	207	207	205	205	205	206	206	207	207	207	205	204	202	201	0	12 15	214	6 30	184	30
5				196	196	196	197	197	196	186	188	196	205	205	204	198	197	196	196	197	206	209	211	209	206	204	199	200	0	19 36	213	6 53	185	28
6			✓	198	189	186	193	196	198	197	204	211	229	229	224	225	220	219	215	206	205	211	213	214	211	206	201	208	1	10 04	238	2 30	184	54
7			✓	196	192	190	190	194	187	185	190	205	223	231	241	236	234	225	216	196	196	205	208	209	206	205	203	207	1	11 25	246	6 03	179	67
8			✓	193	186	179	185	184	186	185	188	203	216	235	241	243	229	216	209	205	204	207	208	206	206	206	203	205	1	12 18	247	2 03	176	71
9				198	195	196	196	196	189	176	184	195	205	215	227	226	226	223	216	208	204	204	206	205	204	203	197	204	0	11 42	236	6 40	175	61
10				196	195	196	201	198	194	183	184	191	199	209	225	228	227	218	205	196	197	204	206	207	206	199	195	202	0	12 10	234	6 45	181	53
11			✓	195	194	195	195	194	194	183	185	202	207	216	225	216	214	207	204	204	203	204	207	205	205	204	200	202	1	11 33	229	7 05	178	51
12				197	196	196	197	198	195	190	197	207	215	225	237	237	238	223	198	193	197	204	206	206	205	205	203	207	0	13 15	242	6 22	187	55
13	✓			200	199	198	195	195	195	193	194	203	207	214	215	206	205	206	202	194	196	203	204	204	203	202	199	201	0	11 25	217	6 50	190	27
14	✓	✓		195	193	192	195	195	195	189	193	195	196	205	215	207	210	214	215	206	203	205	207	205	205	203	197	201	0	11 37	216	6 45	188	28
15	✓	✓		195	194	194	194	194	188	186	198	215	224	233	235	224	(213	205)	203	196	197	204	204	203	201	199	196	204	0	11 38	236	6 00	182	54
16	✓			195	194	193	191	193	185	180	193	210	220	224	225	217	212	208	205	202	200	202	204	204	203	202	200	203	0	10 57	227	6 02	178	49
17	✓	✓		197	195	194	194	194	185	181	187	196	204	209	218	216	207	204	203	199	202	205	205	205	204	202	203	200	0	11 54	224	6 20	177	47
18				198	194	193	195	195	188	183	185	195	204	213	(216)	215	207	212	216	208	203	204	207	207	205	202	198	202	0	11 15	223	6 25	182	41
19				195	193	194	194	195	187	184	191	209	224	235	246	238	229	220	214	206	202	204	207	207	206	205	202	208	0	11 44	250	6 10	183	67
20				200	197	196	199	198	191	178	179	195	213	226	242	242	237	226	212	202	198	205	205	210	205	205	204	207	0	12 02	245	7 10	174	71
21				203	202	200	198	198	191	170	173	185	195	205	210	207	211	205	202	196	197	204	205	205	204	202	203	199	1	13 48	213	6 40	165	48
22				200	195	195	196	196	196	187	188	195	199	204	215	219	221	215	204	199	201	204	204	205	204	204	202	202	0	11 45	223	6 36	185	38
23				198	197	197	197	197	194	191	197	208	212	214	219	219	217	210	203	200	200	203	205	204	204	203	203	204	0	11 16	223	6 20	187	36
24	✓	✓		201	195	195	196	196	193	188	193	197	205	213	213	209	206	204	203	200	198	201	204	202	201	201	200	201	0	10 43	217	6 40	187	30
25	✓			197	196	195	195	194	190	187	194	201	209	217	227	229	224	208	195	186	188	199	203	204	204	202	199	202	0	12 00	233	6 10	184	49
26	✓	✓		196	195	194	195	195	193	185	182	181	184	200	212	200	193	189	188	186	191	201	204	203	201	202	202	195	0	11 07	214	7 57	178	36
27			✓	200	197	196	195	193	184	176	184	195	205	213	217	210	214	217	212	204	203	213	213	207	205	204	203	202	1	11 58	221	6 25	175	46
28				195	193	187	186	185	182	177	186	204	214	224	226	224	208	197	191	187	194	202	205	205	204	199	200	199	0	11 06	230	6 42	175	55
29				200	195	194	193	191	184	181	194	205	217	225	227	219	205	195	190	194	199	205	206	205	201	195	194	201	0	11 18	230	6 11	177	53
30	✓			193	194	194	195	195	190	186	196	207	215	219	218	207	201	204	203	197	202	204	204	204	203	199	197	201	0	11 20	223	6 10	184	39
31																																		
MEANS ALL DAYS				197	195	194	195	195	191	185	190	200	210	218	223	219	215	210	204	199	199	205	206	206	204	203	200	203						47
MEANS TEN DAYS ✱				196	195	194	194	194	190	186	193	201	207	215	219	212	208	204	201	196	198	203	205	204	203	202	200	201						40
MEANS FIVE DAYS (G. M. T.) †				197	194	194	195	195	191	186	191	197	203	212	219	211	206	203	202	197	198	202 203	205 205	204	204	202	200	200						
MEANS FIVE DAYS (G. M. T.) ‡				196	192	189	192	192	190	185	190	203	216	225	230	226	222	217	211	203	202	208	208	208	206	203	200	205						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 441

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1933

DECEMBER 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		196	195	194	192	193	189	186	195	204	214	225	224	214	195	193	194	191	193	200	204	202	197	196	195	199	0	11	02 230	6	02 184	46
2				194	191	192	191	191	185	187	204	223	226	233	237	234	216	205	201	195	195	204	205	204	199	195	194	204	0	12	13 238	5	55 184	54
3			✓	190	187	185	184	185	179	173	182	195	206	207	205	215	213	207	196	194	196	204	205	205	204	200	194	196	0	12	57 220	6	50 170	50
4			✓	185	178	177	184	188	185	175	186	204	215	225	219	225	220	216	217	208	206	206	205	205	204	199	195	201	1	12	27 229	6	38 168	61
5			✓	189	183	182	184	186	185	183	189	196	206	215	223	224	217	216	212	206	204	206	206	206	203	201	202	201	1	11	50 235	3	54 177	58
6				194	195	193	189	193	191	185	192	203	211	214	223	218	213	210	211	209	204	204	207	203	197	196	196	202	0	11	08 233	6	10 184	49
7				194	191	188	189	192	185	180	187	194	205	214	218	223	223	210	196	196	195	199	204	203	202	201	199	200	1	12	50 224	6	39 179	45
8				198	195	195	194	194	189	177	184	195	206	215	214	214	215	212	203	192	191	194	201	200	197	196	194	199	0	10	35 219	6	40 176	43
9			✓	193	192	188	189	191	185	174	179	189	197	222	232	233	234	232	221	213	205	203	213	210	204	201	198	204	1	13	08 242	6	40 172	70
10			✓	194	193	191	189	189	183	176	183	189	197	201	214	219	219	211	201	203	202	205	210	206	207	200	199	199	1	14	07 225	6	48 174	51
11				194	194	194	193	194	190	187	197	212	219	226	228	223	217	213	203	194	191	198	202	203	204	201	195	203	0	11	18 233	6	10 185	48
12				194	193	193	194	193	192	186	187	193	199	202	204	196	196	200	201	194	195	202	203	204	197	196	194	196	0	11	35 209	6	20 185	24
13				193	191	189	189	190	185	183	194	198	203	205	210	213	208	206	201	194	195	202	203	204	203	198	194	198	0	12	28 214	6	10 181	33
14	✓	✓		194	192	191	191	191	190	184	184	190	194	203	213	214	212	206	196	192	191	195	198	199	196	194	193	196	0	11	45 215	6	40 182	33
15	✓	✓		191	189	187	187	186	184	180	186	200	213	233	245	241	233	223	206	192	185	192	195	196	195	194	194	201	0	11	37 250	6	08 176	74
16	✓			192	188	187	187	185	180	172	177	194	206	215	224	228	214	205	195	191	193	196	199	203	202	201	197	197	0	11	56 232	6	28 168	64
17				193	194	192	187	188	185	182	186	193	194	202	211	216	213	206	185	179	184	194	199	198	203	201	200	195	0	12	48 221	16	20 176	45
18				195	194	192	193	194	189	183	187	199	211	226	(232)	228	216	204	200	192	194	197	203	204	204	202	202	202	0	[11	13 234]	6	20 182	[52]
19				195	193	190	186	187	184	175	185	195	206	216	222	224	217	206	203	203	201	199	203	203	202	202	199	200	0	12	19 227	6	20 174	53
20				195	194	194	193	193	192	185	192	203	212	221	227	223	223	214	198	192	189	192	195	195	195	195	196	200	0	11	03 228	6	40 184	44
21				195	194	193	193	193	191	181	184	193	204	210	211	213	211	209	204	194	193	194	201	200	197	197	197	198	0	12	30 214	6	30 176	38
22				193	193	192	190	187	184	176	182	196	213	233	235	223	213	205	199	198	199	198	200	200	198	198	195	200	0	10	48 239	6	30 174	65
23	✓			194	193	192	192	192	190	183	187	202	212	218	224	223	215	204	199	195	194	193	195	197	198	196	195	199	0	11	57 226	6	44 179	47
24	✓	✓		194	194	193	193	194	193	184	186	192	195	203	195	198	205	205	203	195	194	196	202	202	202	202	199	197	0	13	33 207	6	30 183	24
25				193	188	185	184	185	184	184	195	211	217	226	220	214	215	212	197	192	193	195	202	204	202	195	193	199	0	10	40 231	6	00 182	49
26				187	185	184	185	188	188	184	185	191	199	215	215	206	200	197	193	193	201	205	204	202	200	199	195	196	0	10	48 220	2	30 182	38
27	✓			193	188	187	188	191	189	185	192	195	203	216	222	202	184	183	178	181	189	194	200	199	198	195	195	194	0	12	05 226	15	30 175	51
28				193	192	189	191	190	189	184	187	197	205	214	214	203	197	195	192	194	201	205	208	212	210	204	202	199	0	11	08 221	6	30 183	38
29	✓			195	194	191	190	189	186	175	183	194	194	197	199	194	191	195	188	183	186	193	198	199	200	199	195	192	0	10	50 201	6	35 174	27
30	✓	✓		194	192	192	191	192	191	179	182	186	200	218	223	214	200	193	193	189	192	195	201	203	204	198	194	196	0	11	10 225	6	54 175	50
31	✓			189	185	184	184	185	182	175	179	186	203	224	231	230	223	202	183	185	191	195	197	196	195	194	193	195	0	11	35 234	6	35 174	60
MEANS ALL DAYS				193	191	190	189	190	187	181	187	197	206	216	220	218	212	206	199	194	195	199	202	202	201	198	196	199						48
MEANS TEN DAYS ✲				193	191	190	190	190	187	180	185	194	203	215	220	216	207	201	194	189	191	195	199	200	199	197	195	197						48
MEANS FIVE DAYS † (G. M. T.)				194	192	191	191	191	189	183	187	194	203	216	220	216	209	204	198	192	191	197 196	200 200	201	200	197	195	198						
MEANS FIVE DAYS ‡ (G. M. T.)				190	187	185	186	188	183	176	184	195	204	214	219	223	221	216	209	205	203	205	206	205	202	198	195	200						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 442

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1933 — JANUARY 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	601	598	601	603	605	606	612	628	666	694	740	732	704	656	605	560	556	562	585	592	595	590	586	594	620	1	11 48	768	15 35	546	222
2				591	595	595	600	597	595	586	590	614	650	676	693	692	657	614	595	581	580	587	588	600	593	593	592	611	1	11 19	715	16 58	571	144
3	✓			595	597	596	595	599	603	606	622	641	669	676	667	651	642	618	599	589	586	588	593	593	597	599	600	613	0	10 11	687	17 32	582	105
4	✓	✓		601	601	600	601	602	605	607	607	628	652	684	719	731	705	638	590	571	576	587	592	595	598	598	598	620	0	12 10	735	16 41	568	167
5		✓		600	603	604	604	604	611	620	630	658	677	680	658	635	623	630	635	631	621	612	608	608	609	605	600	624	0	10 39	690	23 39	590	100
6				581	596	600	603	592	606	614	606	606	613	[658]	□							□	574	586	586	590	591		1			[19 24	568]	
7				592	590	593	595	597	602	608	618	631	645	676	666	639	615	613	608	610	610	600	594	593	595	595	601	612	1	10 42	705	22 22	587	118
8	✓			601	599	602	606	605	611	613	624	639	655	670	676	669	627	583	563	567	588	603	607	603	601	600	597	613	0	11 08	682	16 01	557	125
9	✓			596	600	600	604	606	614	628	648	670	691	706	677	672	636	605	590	602	609	606	603	601	598	599	599	623	0	10 11	714	15 30	586	128
10	✓	✓		598	601	601	600	600	604	619	638	658	678	686	674	662	636	611	604	605	605	607	602	600	599	599	600	620	0	10 48	692	0 03	597	95
11	✓	✓		599	601	601	599	601	605	620	636	653	663	659	644	630	613	606	609	615	616	613	607	607	605	607	610	617	0	10 05	671	3 22	597	74
12	✓			612	614	613	612	611	615	636	662	695	712	711	713	697	659	626	601	592	599	609	612	612	613	615	615	636	0	9 59	731	16 08	589	142
13	✓			614	616	613	614	618	623	638	663	693	713	710	690	648	582	546	549	576	601	615	614	611	610	611	613	624	0	9 23	721	15 08	541	180
14				613	616	616	616	617	623	639	663	690	711	712	699	668	638	613	597	586	579	585	600	600	603	599	582	628	0	10 13	716	24 00	569	147
15				582	569	576	586	590	597	607	626	661	683	679	642	588	547	535	559	568	579	590	588	585	591	589	590	596	1	9 07	719	14 25	518	201
16				586	590	589	592	591	592	610	625	663	702	(697	686)	660	(612	583	574)	582	601	604	598	598	598	599	598	614	0	9 56	719	[15 54	573	146]
17	✓			599	597	597	595	601	600	610	623	661	695	705	670	619	567	547	549	573	590	597	602	601	600	598	597	608	0	10 26	711	14 43	540	171
18	✓			598	597	599	600	601	609	624	652	683	708	715	699	656	614	611	613	611	609	611	612	610	607	605	603	627	0	10 50	721	1 28	595	126
19			✓	603	598	600	604	608	610	622	639	655	675	660	625	608	613	598	602	595	581	578	581	587	597	589	584	609	1	9 16	706	23 08	571	135
20				574	585	588	586	593	599	600	619	650	690	714	705	673	638	622	619	609	605	602	605	604	604	602	601	620	0	10 35	720	0 40	569	151
21		✓		600	602	604	604	607	609	616	627	653	686	694	674	667	663	663	657	638	619	607	607	604	604	606	606	630	0	10 27	701	0 40	599	102
22			✓	608	589	579	586	590	596	604	623	647	697	695	718	675	628	605	602	589	571	565	556	564	579	580	578	609	1	9 54	771	19 50	554	217
23				576	571	575	582	584	589	600	612	631	631	663	646	609	616	583	604	615	580	551	557	584	575	578	586	596	1	10 41	690	19 11	542	148
24				590	590	595	597	597	599	603	615	644	656	664	661	621	624	616	615	614	603	588	581	590	589	582	588	609	1	10 13	674	19 54	575	99
25				591	591	589	592	594	603	613	640	665	681	681	629	615	559	556	559	578	587	580	581	580	584	576	578	600	1	9 41	698	15 15	547	151
26				578	585	584	589	601	609	622	644	677	699	696	668	623	589	576	580	601	605	588	574	598	594	589	596	611	1	9 34	743	14 48	555	188
27			✓	590	590	590	588	589	598	620	648	691	722	724	728	648	600	559	532	567	582	586	587	584	575	588	589	611	1	11 06	768	15 01	516	252
28			✓	589	591	595	590	590	591	599	626	658	706	713	689	651	593	561	562	569	570	582	581	580	587	595	594	607	1	10 13	738	14 23	553	185
29				595	591	591	592	595	595	602	623	658	701	718	691	648	608	584	572	572	576	591	593	593	578	590	584	610	1	11 12	728	15 07	559	169
30				590	589	587	588	588	595	600	612	643	688	717	738	717	671	632	602	566	576	581	588	594	592	589	593	618	0	11 10	743	16 27	558	185
31				591	587	587	594	593	592	588	601	643	688	727	721	697	663	633	615	583	569	577	587	589	588	591	593	617	0	11 01	741	17 43	567	174
MEANS ALL DAYS a)				595	595	595	597	599	603	612	629	657	684	695	683	656	623	599	591	590	591	592	593	595	595	595	595	615						152 a)
MEANS TEN DAYS ✲				601	602	602	603	604	609	620	638	662	684	692	683	664	628	599	587	590	598	604	604	603	603	603	603	620						131
MEANS FIVE DAYS (G. M. T.) †				600	602	602	602	603	607	616	628	650	671	681	674	665	648	630	619	612	607	598 605	599 603	599	599	599	600	622						
MEANS FIVE DAYS (G. M. T.) ‡				598	593	593	594	596	600	611	633	663	699	706	698	657	618	586	572	575	573	579	595	597	595	598	600	614						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day January 6

TABLE 443

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1933

FEBRUARY 1933

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				594	597	596	597	595	594	594	602	631	667	709	737	742	722	678	632	601	587	592	598	600	604	598	590	627	0	11 59	747	17 18	585	162
2				584	595	599	590	588	590	586	575	599	643	671	673	637	626	594	590	593	598	597	597	595	596	596	598	605	1	10 51	710	8 01	565	145
3				602	603	600	598	595	598	599	610	637	661	684	692	703	684	656	644	626	607	594	606	606	603	604	603	626	0	12 38	719	18 18	590	129
4				603	602	603	601	601	602	604	611	641	676	707	693	673	670	641	625	614	607	607	602	600	595	592	592	623	1	10 30	722	23 03	588	134
5	✓			597	603	604	604	606	605	608	618	645	674	683	685	685	677	664	649	639	628	618	611	606	603	602	602	630	1	11 41	693	1 06	596	97
6	✓	✓		602	603	602	602	603	604	609	619	640	670	690	695	679	661	633	622	624	624	623	627	624	625	617	612	630	0	11 09	700	2 54	601	99
7				615	615	613	618	613	621	626	633	638	674	693	689	656	639	649	646	645	627	610	608	607	607	606	601	631	1	11 28	729	8 15	596	133
8				602	603	596	592	594	602	615	637	673	714	727	727	714	692	654	617	608	604	604	608	606	605	597	585	632	0	11 09	737	23 40	583	154
9	✓			581	584	591	596	598	597	602	618	642	676	685	670	661	641	619	617	612	607	600	599	597	600	599	600	616	0	10 29	695	0 47	579	116
10	✓			604	603	600	599	601	607	630	656	685	709	708	691	663	634	611	593	596	606	609	607	607	606	604	602	626	0	9 54	716	15 18	591	125
11	✓	✓		604	608	611	614	614	618	626	649	687	725	741	741	718	662	616	593	594	608	615	613	617	611	610	613	638	0	11 06	751	16 19	590	161
12	✓			612	617	613	611	608	609	618	636	671	713	730	722	688	642	593	568	580	603	611	609	608	609	607	606	628	0	10 56	741	15 44	566	175
13	✓	✓		605	606	606	605	604	603	608	634	673	721	752	759	745	708	657	616	599	601	610	612	611	611	612	610	640	0	10 55	763	16 59	590	173
14				609	608	609	612	608	610	599	583	598	644	693	720	720	710	640	585	583	598	608	605	605	607	605	602	623	0	13 31	741	15 51	575	166
15				614	606	604	608	612	611	609	602	633	(714	707)	724	702	680	643	620	608	609	605	599	598	598	597	597	629	0	11 49	740	7 18	590	150
16	✓	✓		595	594	594	592	593	593	588	577	592	628	664	686	690	685	668	639	614	593	589	588	588	588	591	592	613	0	12 06	694	7 36	572	122
17	✓	✓		593	594	594	595	597	599	590	578	591	621	657	676	688	691	683	665	635	608	598	599	599	600	599	598	619	0	13 17	692	7 39	575	117
18				598	598	600	602	605	609	603	604	624	649	670	690	689	683	663	639	613	601	592	588	581	582	589	598	620	0	11 34	703	21 08	575	128
19			✓	599	594	603	621	623	621	605	595	579	551	554	601	623	626	597	577	581	562	556	520	530	539	547	560	582	1	13 04	672	10 04	484	188
20				566	566	569	571	580	588	582	559	584	628	629	652	670	652	625	620	602	586	558	572	566	581	540	561	592	1	12 49	695	22 48	534	161
21			✓	555	563	570	573	581	588	590	585	599	586	600	582	611	626	639	635	611	577	561	570	552	544	554	565	584	1	13 39	650	21 47	533	117
22			✓	572	565	570	575	579	578	581	599	621	647	652	665	672	619	589	580	579	578	583	576	571	576	582	572	595	1	12 17	699	2 02	561	138
23			✓	575	579	589	580	578	584	590	605	630	645	638	639	595	593	576	594	567	557	539	562	567	560	566	573	587	1	11 56	665	18 33	531	134
24			✓	577	578	594	591	579	581	573	588	603	620	634	624	625	579	572	590	562	550	574	560	563	567	587	573	585	1	10 48	654	17 08	535	119
25				569	571	576	581	582	579	588	596	629	669	704	712	711	678	648	612	585	576	560	551	560	558	562	564	605	1	10 45	731	20 14	540	191
26				571	579	575	577	579	579	579	594	627	665	693	710	713	692	662	618	572	555	572	575	578	584	590	574	609	1	12 20	718	17 22	548	170
27				578	585	586	586	585	579	578	580	608	644	669	693	702	677	648	618	594	585	570	568	572	575	578	579	606	0	12 26	711	18 59	564	147
28	✓			580	578	578	581	586	589	586	595	628	672	708	720	710	678	648	626	614	589	578	583	575	573	579	584	614	0	11 26	724	21 30	572	152
29																																		
30																																		
31																																		
MEANS ALL DAYS				591	593	594	595	596	598	599	605	629	661	680	688	682	662	634	615	602	594	590	590	589	590	590	590	615						143
MEANS TEN DAYS ✻				597	599	599	600	601	602	606	618	645	681	702	704	693	668	639	619	611	607	605	605	603	603	602	602	625						134
MEANS FIVE DAYS † (G. M. T.)				600	601	601	602	602	603	604	611	637	673	701	711	704	681	651	627	613	607	606 607	603 608	601	601	600	600	627						
MEANS FIVE DAYS ‡ (G. M. T.)				576	576	585	588	588	590	588	594	606	610	616	622	625	609	595	595	580	565	563	574	567	569	566	574	588						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 444

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1933 — MARCH 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			584	583	583	587	589	591	580	590	616	665	700	717	710	698	664	626	605	591	584	588	589	592	591	592	617	0	11 48	726	6 52	574	152
2	✓			592	592	594	596	595	597	591	596	628	668	701	720	731	721	688	652	619	592	583	587	588	590	595	599	626	0	12 19	748	18 09	582	166
3				593	592	599	605	612	617	603	601	612	660	713	725	703	695	679	645	623	601	589	586	590	590	594	594	626	1	11 31	740	18 19	584	156
4	✓			596	600	600	600	595	595	587	572	590	625	656	681	691	686	670	649	622	595	590	593	592	590	593	593	615	0	12 54	696	7 18	569	127
5	✓	✓		592	590	593	596	599	600	598	606	633	659	684	694	703	701	688	670	643	616	602	599	597	598	599	599	627	0	11 54	706	1 56	588	118
6	✓	✓		599	602	604	605	605	608	601	600	623	650	655	645	633	627	628	632	627	614	608	605	604	603	602	605	616	0	10 11	663	7 03	594	69
7	✓	✓		604	603	604	603	605	609	609	625	659	688	711	713	694	679	661	645	634	621	615	612	613	616	617	616	636	0	11 41	721	3 20	602	119
8	✓			615	614	613	615	616	621	623	631	656	692	708	713	695	683	667	640	622	597	589	587	582	580	580	580	630	0	11 18	717	23 15	577	140
9	✓	✓		585	586	586	586	589	591	596	621	661	697	708	701	680	660	639	621	616	606	596	586	585	584	582	596	619	0	10 36	711	22 28	578	133
10				595	591	592	592	595	596	604	625	660	686	705	714	698	(683	662)	638	613	601	588	559	548	549	571	578	618	0	11 32	720	20 07	542	178
11	✓			580	583	584	587	586	587	582	587	607	634	645	633	626	625	620	622	612	605	597	593	591	590	586	587	602	1	10 40	657	6 52	578	79
12				590	586	585	594	596	597	593	604	634	657	668	674	648	626	613	605	603	597	594	595	593	589	585	591	609	1	11 04	704	2 29	582	122
13				587	594	588	590	594	599	593	596	628	661	685	642	640	629	611	605	604	600	595	597	593	592	585	576	608	1	9 53	704	24 00	573	131
14				561	564	573	581	580	581	584	603	646	673	682	676	657	614	587	576	580	590	590	590	592	592	592	589	602	0	10 19	702	0 53	555	147
15				589	592	591	594	596	596	587	602	631	675	709	722	706	(673	635)	599	583	587	589	591	596	596	597	595	618	0	11 27	726	16 29	581	145
16	✓	✓		597	594	593	597	599	601	601	613	646	675	704	706	693	671	653	633	615	601	600	603	603	599	598	599	625	0	10 57	717	2 45	591	126
17				599	601	604	604	605	608	601	605	640	660	679	693	668	644	629	621	618	609	604	607	598	578	563	554	616	0	10 10	701	24 00	549	152
18			✓	545	560	568	573	578	580	589	609	629	676	651	662	680	651	653	641	616	556	524	519	564	546	564	572	596	1	9 22	699	19 23	510	189
19			✓	572	573	576	584	585	586	579	584	594	618	673	652	662	644	589	570	538	569	569	565	580	578	547	571	590	1	10 52	759	16 22	516	243
20			✓	581	574	570	574	573	575	577	594	609	632	664	648	632	611	605	592	583	569	573	570	581	560	568	574	591	1	10 42	690	21 51	550	140
21				569	570	573	577	576	590	586	577	607	621	661	654	641	631	616	602	575	563	557	563	521	568	570	560	589	1	11 01	684	20 11	515	169
22				560	567	568	569	570	582	567	581	595	601	614	623	612	604	586	593	598	592	585	580	594	585	580	593	587	1	11 42	642	0 43	552	90
23			✓	604	575	579	579	582	578	584	588	625	657	659	655	637	611	599	563	549	540	554	543	556	571	576	570	589	1	10 15	687	17 42	535	152
24			✓	588	593	578	582	576	576	587	594	625	651	654	640	615	566	553	560	571	574	551	547	559	559	587	574	586	1	10 27	665	19 32	544	121
25				568	578	572	569	569	573	587	618	656	688	697	681	653	622	590	581	580	579	570	571	575	576	575	578	600	0	10 51	709	0 06	563	146
26				579	582	574	580	588	586	585	602	640	672	708	692	675	645	627	619	615	611	599	596	597	595	593	600	615	0	10 51	728	2 00	572	156
27				594	590	590	586	598	591	590	608	633	627	651	702	646	647	608	585	590	585	576	576	580	578	584	576	604	1	11 54	728	19 05	570	158
28				578	581	586	585	590	587	589	594	630	640	662	679	660	637	617	600	605	588	587	581	586	584	587	595	605	1	11 09	702	0 28	576	126
29				589	590	591	595	594	586	590	595	635	677	695	688	665	631	610	598	597	586	586	588	586	590	595	592	610	0	10 58	707	18 01	579	128
30				595	591	587	589	591	592	586	609	651	691	705	703	699	674	648	619	599	585	592	589	589	576	580	590	618	0	11 05	714	22 21	570	144
31				588	585	588	589	590	586	583	583	627	684	703	711	702	674	652	621	597	588	584	592	588	592	598	592	617	0	11 46	719	7 06	575	144
MEANS ALL DAYS				586	586	587	589	591	592	591	600	630	660	681	683	670	650	631	614	602	591	585	583	584	583	585	586	610						141
MEANS TEN DAYS ✲				594	595	595	597	598	600	597	604	632	665	687	692	686	675	658	639	622	604	596	595	594	594	594	597	621						123
MEANS FIVE DAYS † (G. M. T.)				595	595	596	597	599	602	601	613	644	674	692	692	681	668	654	640	627	612	596 604	595 601	594	593	594	594	623						
MEANS FIVE DAYS ‡ (G. M. T.)				578	575	574	578	579	579	583	594	616	647	660	651	645	617	600	585	571	562	554	563	578	572	566	572	592						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 445

HORIZONTAL INTENSITY

APRIL 1933 — APRIL 1933

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓			583	581	584	582	588	589	591	602	624	660	671	679	671	661	636	623	608	590	574	584	586	584	579	584	609	0	10 07	695	18 35	571	124
2				587	587	587	588	600	597	595	594	615	639	657	667	666	675	648	617	588	567	569	586	584	577	579	582	606	0	13 04	690	17 55	563	127
3				594	590	591	591	602	591	579	577	613	642	670	680	677	656	625	598	597	589	582	575	582	565	567	583	605	1	12 07	689	21 52	557	132
4	✓			583	584	590	590	597	595	604	618	645	667	682	679	666	638	626	613	614	609	592	581	579	581	574	572	612	1	10 40	689	23 11	570	119
5	✓			585	591	591	594	595	597	604	613	633	649	662	663	648	(623	612)	598	596	588	577	565	574	573	579	581	604	0	10 43	669	19 52	558	111
6				584	589	584	581	591	591	595	614	648	667	680	673	655	637	630	619	602	597	595	588	588	584	584	590	611	0	10 26	692	3 10	574	118
7				590	587	594	595	602	605	612	626	650	687	667	649	648	623	625	595	596	595	585	586	582	580	585	588	610	1	9 15	700	21 34	578	122
8				593	588	593	590	593	595	602	621	645	664	680	667	660	639	638	632	623	605	594	586	579	589	593	595	615	1	12 17	695	20 11	574	121
9				588	589	592	593	588	595	594	604	640	680	700	700	669	638	620	616	609	598	594	593	594	594	593	589	615	0	11 09	717	4 16	584	133
10	✓			594	597	597	603	600	595	597	615	649	679	706	701	672	631	600	599	600	599	599	596	592	594	594	594	617	0	10 29	720	0 32	587	133
11	✓	✓		593	596	595	601	607	604	606	625	661	694	713	709	682	646	621	604	597	595	595	594	595	594	596	597	622	0	10 52	720	0 05	591	129
12	✓	✓		597	597	598	599	599	600	600	608	639	678	716	724	707	668	638	620	611	604	601	598	598	599	599	598	625	0	11 02	733	2 03	595	138
13	✓	✓		599	600	600	599	602	605	596	598	635	675	709	721	711	673	638	614	603	604	606	604	604	602	602	603	625	0	11 25	722	7 05	590	132
14				603	604	605	607	611	616	608	601	628	657	706	715	704	669	628	603	597	578	577	581	578	576	575	575	617	1	11 39	727	23 40	572	155
15			✓	605	587	595	600	605	602	594	596	612	652	(657	671)	683	645	599	559	518	511	532	556	560	563	563	590	594	1	12 19	700	17 21	494	206
16			✓	580	575	580	588	588	591	580	574	592	598	633	658	646	642	603	601	601	586	556	559	555	576	581	567	592	1	11 27	670	18 49	538	132
17			✓	572	565	582	584	584	585	578	565	545	583	596	614	617	629	628	611	577	561	562	566	587	564	590	586	585	1	12 47	636	8 59	530	106
18				600	589	585	577	584	589	594	604	615	615	629	641	646	615	609	598	575	542	556	547	542	581	567	569	590	1	11 46	667	20 17	536	131
19			✓	572	575	587	561	563	587	576	577	588	612	637	643	635	634	615	587	588	580	582	577	578	578	581	587	593	1	10 46	660	6 44	564	96
20				604	575	575	577	584	589	580	594	607	630	646	624	612	606	586	581	585	582	581	589	577	573	574	590	593	1	10 38	659	1 59	563	96
21				586	585	583	579	581	583	592	614	637	668	682	692	662	614	598	586	590	547	560	559	556	569	578	588	600	1	11 45	707	17 35	538	169
22				591	575	591	595	596	564	586	595	640	658	692	702	683	658	628	604	595	577	562	574	576	581	584	572	608	1	11 25	715	18 35	555	160
23				582	598	587	581	586	589	601	628	641	646	647	640	620	604	582	568	557	554	555	573	561	566	567	572	592	1	10 12	661	18 11	549	112
24				582	581	581	581	584	587	594	614	650	681	697	694	677	625	590	586	578	579	567	561	565	573	573	581	603	0	10 53	703	19 53	560	143
25	✓			585	585	586	583	584	587	588	601	629	676	680	667	653	618	583	569	571	573	577	584	579	570	576	581	599	0	10 32	687	15 13	567	120
26				586	595	595	590	590	596	603	614	644	657	692	685	644	617	588	573	573	576	582	582	583	581	576	573	604	0	10 37	698	15 37	571	127
27				580	584	586	587	589	593	592	598	621	648	665	666	643	619	611	607	580	577	568	557	563	574	578	583	599	0	11 16	674	19 39	548	126
28	✓	✓		583	581	584	588	591	598	594	600	628	644	676	688	690	664	630	601	587	585	584	585	587	585	581	579	609	0	12 03	697	23 31	578	119
29	✓	✓		581	583	586	594	595	597	605	617	638	664	679	683	674	653	622	607	597	593	593	587	588	589	589	594	613	0	10 58	688	0 00	580	108
30			✓	598	599	601	601	605	608	618	639	662	694	718	747	729	695	666	605	546	581	562	543	561	569	571	573	620	1	11 34	816	19 00	524	292
31																																		
MEANS ALL DAYS				589	588	590	590	593	595	595	605	629	655	675	678	665	640	617	600	589	581	577	577	578	579	581	584	606						135
MEANS TEN DAYS ✲				568	590	592	593	596	597	598	610	638	669	689	691	677	648	621	605	598	594	590	588	588	587	587	588	613						123
MEANS FIVE DAYS † (G. M. T.)				591	591	593	596	599	601	600	610	640	671	699	705	693	661	630	609	599	596	589 596	586 594	587	589	590	590	618						
MEANS FIVE DAYS ‡ (G. M. T.)				585	584	589	591	593	595	589	590	600	628	648	667	662	649	622	593	566	564	559	566	565	577	575	579	597						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▯ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 446

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MAY 1933

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	580	599	590	590	600	607	610	628	629	625	578	562	527	459	525	485	473	492	485	525	499	504	517	529	551	2	7 47	697	13 57	316	381
2				536	549	553	552	550	557	564	573	591	615	635	640	636	622	603	587	573	556	557	548	556	555	556	555	576	1	11 20	647	0 00	530	117
3				564	557	573	572	574	575	574	600	620	637	661	676	674	643	621	607	593	575	567	570	569	567	574	568	596	0	11 27	686	1 20	553	133
4				563	579	582	575	581	586	595	610	629	662	659	660	634	619	590	601	595	582	578	574	573	573	580	573	598	1	9 46	686	0 33	559	127
5				578	592	578	583	586	584	587	593	595	631	655	680	688	675	644	600	580	576	583	575	569	593	563	580	603	1	12 16	706	22 36	558	140
6				573	572	577	584	581	581	581	587	594	618	628	642	648	644	628	614	598	580	567	585	580	581	581	582	596	1	13 08	659	18 45	561	98
7				580	583	587	578	579	585	593	606	627	655	673	671	660	637	619	609	599	590	584	581	584	586	586	590	606	0	10 56	684	0 31	576	108
8	✓			590	592	591	592	593	594	589	593	619	649	667	655	638	630	617	612	603	594	592	590	590	588	587	587	606	0	10 36	673	6 52	581	92
9	✓	✓		588	588	590	593	595	597	605	614	631	656	674	678	669	641	616	602	602	600	592	588	586	582	590	590	611	0	11 19	682	21 22	580	102
10	✓	✓		592	590	591	603	600	598	600	614	637	669	696	704	693	672	641	615	599	593	594	589	590	588	589	589	619	0	11 27	707	22 20	585	122
11	✓			588	589	593	594	596	600	599	607	626	645	665	664	663	647	634	617	605	597	597	594	595	596	599	597	613	0	10 51	670	0 00	586	84
12		✓		596	598	597	599	602	606	614	626	647	674	690	696	695	671	643	622	604	593	594	594	595	591	583	592	622	0	11 53	703	22 41	576	127
13				589	590	592	590	590	590	588	579	602	642	672	686	682	658	636	610	593	587	581	570	579	587	591	594	607	0	11 22	691	19 46	566	125
14				593	595	592	596	594	597	602	603	620	652	669	660	655	630	586	547	524	534	537	556	565	567	554	552	591	0	11 14	682	16 22	520	162
15				553	561	569	575	579	579	577	580	597	615	636	638	635	621	613	605	591	577	567	563	581	579	581	581	590	1	12 02	655	0 14	550	105
16				583	585	587	586	588	592	602	619	638	655	668	665	650	631	616	606	581	570	565	573	585	584	586	587	604	0	11 04	676	18 29	563	113
17				588	593	591	589	591	594	592	591	605	633	641	652	648	(623)	600	591	575	551	539	541	562	585	609	558	593	1	10 09	669	18 36	534	135
18			✓	567	566	583	573	566	575	581	581	601	620	634	648	655	641	631	604	582	573	576	576	575	582	578	581	594	1	11 23	669	1 51	555	114
19				581	579	582	584	586	586	590	600	608	626	652	663	662	648	632	595	579	579	578	581	578	573	581	588	600	0	12 14	671	21 32	572	99
20	✓			580	578	583	590	594	597	607	620	632	647	665	660	641	623	615	611	600	588	587	587	587	595	594	594	607	0	10 50	668	1 41	575	93
21				594	598	596	592	594	597	597	600	613	635	647	647	637	629	613	611	603	598	601	593	590	592	594	594	607	0	11 03	650	20 21	589	61
22				592	600	599	599	598	604	614	630	651	661	680	665	641	625	624	618	605	589	593	595	595	592	593	591	615	0	10 28	686	17 50	583	103
23	✓			595	597	599	596	597	599	607	618	630	644	658	647	649	638	622	618	610	595	592	590	589	590	588	592	611	0	10 51	660	20 59	587	73
24	✓	✓		596	596	598	600	606	607	617	628	650	677	676	679	677	667	657	641	618	607	603	599	594	587	594	595	624	0	9 45	686	21 12	586	100
25	✓			599	602	603	604	606	606	611	617	634	666	678	686	686	677	657	628	617	607	603	600	598	596	597	597	624	0	12 41	693	21 41	594	99
26	✓	✓		599	600	600	602	606	607	612	618	637	663	679	689	690	675	652	632	617	607	605	603	602	603	606	608	626	0	12 32	695	0 39	598	97
27				607	610	610	613	617	620	630	639	648	663	692	683	686	659	638	628	609	584	575	571	575	556	571	578	619	0	10 54	704	21 23	549	155
28	✓			583	587	593	597	602	608	612	615	619	629	645	656	661	656	642	628	620	612	608	606	608	608	609	612	617	1	12 29	669	0 00	581	88
29			✓	610	620	625	625	625	631	636	651	658	652	645	620	609	626	609	578	578	587	583	565	551	544	559	573	607	1	8 49	674	21 07	536	138
30			✓	578	572	569	577	575	582	585	595	611	624	641	672	643	640	610	612	605	599	592	578	580	580	578	564	598	1	11 31	690	23 28	558	132
31			✓	565	580	584	582	591	593	601	605	615	577	619	653	667	655	638	622	598	584	589	589	589	578	594	570	602	1	12 38	682	9 31	555	127
MEANS ALL DAYS				583	587	589	590	592	595	599	608	623	642	657	661	655	638	622	605	591	582	579	579	580	580	583	582	604						120
MEANS TEN DAYS ✱				591	592	594	597	600	601	606	614	632	654	670	672	667	653	635	620	609	600	597	595	594	593	595	596	616						95
MEANS FIVE DAYS (G. M. T.) †				594	594	595	599	602	603	610	620	640	668	683	689	685	665	642	622	608	600	595 598	592 595	592	590	592	593	620						
MEANS FIVE DAYS (G. M. T.) ‡				580	587	590	589	591	598	603	612	623	620	623	631	620	604	603	580	567	567	565	567	572	577	585	576	593						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 447

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1933 JUNE 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	564	574	595	591	590	596	602	607	613	613	630	618	626	620	615	615	602	590	588	589	595	590	585	587	600	1	10	33 643	0	25 561	82
2				587	595	596	596	596	599	600	607	612	629	642	650	652	652	628	611	602	598	593	589	592	590	588	589	608	0	12	54 662	0	14 581	81
3				585	591	591	587	598	599	606	618	632	637	642	650	639	628	620	613	608	600	592	590	594	595	594	599	609	0	11	58 659	3	42 584	75
4	✓			594	594	598	602	601	600	602	609	627	646	660	682	684	671	648	618	598	594	595	593	594	595	598	599	617	0	12	11 688	20	00 590	98
5	✓	✓		600	600	601	603	603	605	611	609	605	612	627	644	659	664	650	622	604	595	595	597	597	596	595	596	612	0	14	59 668	18	17 593	75
6	✓	✓		593	598	606	605	607	607	610	611	615	634	665	691	696	683	655	629	610	604	604	605	607	607	607	600	623	0	12	01 699	0	32 592	107
7	✓			598	606	604	602	605	608	615	623	621	629	655	671	666	648	637	632	619	609	607	594	585	586	594	590	617	0	11	09 674	21	07 582	92
8				609	610	603	602	599	613	613	604	611	630	645	664	668	667	617	592	559	550	546	566	565	567	578	587	603	1	13	23 679	18	37 544	135
9				579	579	578	583	586	588	596	601	613	626	654	651	638	629	610	597	591	587	585	581	584	587	588	589	600	1	11	09 668	2	08 572	96
10				589	592	594	596	600	605	606	608	621	638	665	667	659	653	631	617	602	591	589	590	593	595	605	602	613	0	10	24 679	17	50 587	92
11	✓			602	609	607	601	600	603	605	609	609	622	637	648	652	643	630	615	603	595	593	593	598	597	596	603	611	0	12	27 657	19	38 590	67
12				598	597	599	601	603	605	612	617	619	627	643	655	661	657	641	614	590	579	579	584	563	554	550	536	604	0	12	58 667	23	02 513	154
13			✓	566	569	585	595	591	598	606	619	635	634	642	630	637	630	619	596	574	557	539	560	547	560	570	583	593	1	9	42 672	18	22 533	139
14			✓	584	586	587	594	586	584	592	609	632	644	650	661	655	634	618	602	589	581	587	580	577	579	569	570	602	1	11	24 671	20	28 560	111
15				574	580	585	587	588	593	602	609	624	(633	642)	642	639	624	610	605	599	596	596	593	593	592	594	593	604	1	[10	33 650]	0	45 572	[78]
16	✓	✓		594	599	597	596	599	603	612	623	635	652	665	670	657	633	615	600	597	594	594	590	593	599	599	600	613	0	11	43 679	19	24 587	92
17	✓			597	596	596	594	595	598	605	610	623	634	649	647	639	635	634	621	603	594	594	596	595	595	598	597	610	0	10	56 656	0	46 592	64
18		✓		595	594	591	593	596	595	600	607	615	636	657	663	660	640	621	607	603	598	593	588	594	600	600	595	610	0	11	14 666	19	48 586	80
19				591	595	603	611	614	627	622	630	630	630	623	626	621	616	610	602	584	569	575	564	547	546	547	549	597	1	8	16 640	23	25 537	103
20			✓	557	565	570	575	582	587	604	615	628	615	633	660	657	656	645	629	615	617	595	596	595	593	592	592	607	1	11	33 680	0	46 554	126
21				589	597	602	597	598	595	593	593	609	625	644	659	666	656	649	(630)	612	603	597	605	602	599	593	607	613	0	12	16 670	0	39 586	84
22	✓			604	603	602	603	609	614	619	631	645	667	686	691	671	658	639	629	615	607	603	602	602	603	603	603	625	0	11	18 697	0	34 599	98
23	✓			602	603	604	607	609	612	624	641	653	666	678	684	677	670	654	629	613	598	600	598	595	598	598	593	625	0	11	39 690	23	57 591	99
24	✓	✓		592	592	595	601	607	611	623	643	659	670	685	684	672	653	628	621	617	612	609	606	608	610	610	606	626	0	10	49 690	1	14 589	101
25				609	609	609	612	615	644	654	672	692	712	727	708	673	657	615	613	609	586	590	589	581	582	595	583	631	1	10	57 743	21	00 567	176
26				596	598	600	606	607	608	612	617	630	647	654	650	633	616	609	606	609	609	608	608	607	608	607	612	615	1	10	57 662	0	31 592	70
27				614	615	612	606	612	628	627	639	670	682	684	687	673	666	649	631	615	604	602	579	579	590	591	598	627	1	10	14 710	19	44 565	145
28			✓	595	605	612	613	614	622	627	640	650	649	651	653	641	646	629	624	613	601	586	578	589	594	588	586	617	1	9	48 671	19	25 569	102
29				601	605	602	599	599	603	608	610	621	628	624	637	644	634	637	629	610	600	598	598	601	603	609	604	613	1	12	19 651	0	05 586	65
30				595	599	603	605	610	607	609	618	624	627	634	623	619	603	610	612	609	605	604	604	605	605	603	603	610	1	10	48 643	0	40 593	50
31																																		
MEANS ALL DAYS				592	595	598	599	601	605	611	618	629	640	653	659	654	645	629	615	602	594	591	590	589	590	591	592	612						98
MEANS TEN DAYS ✲				598	600	601	601	604	606	613	621	629	643	661	671	667	656	639	622	608	600	599	597	597	599	600	599	618						89
MEANS FIVE DAYS (G. M. T.) †				595	597	598	600	602	604	611	619	626	641	660	670	669	655	634	616	606	601	596 599	595 597	595	595	597	596	616						
MEANS FIVE DAYS (G. M. T.) ‡				573	580	590	594	593	597	606	618	632	631	641	644	643	637	625	613	599	589	579	575	565	566	570	567	601						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 448

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1933 — JULY 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				609	604	604	605	611	613	627	636	646	651	647	629	633	623	612	611	613	612	608	607	601	608	607	606	618	1	10 07	654	20 08	599	55
2				602	619	612	609	610	612	616	625	630	629	640	633	638	638	632	626	617	615	607	602	605	616	616	621	620	0	10 51	655	19 56	594	61
3				615	613	614	620	626	623	623	629	639	656	662	669	667	655	650	633	615	611	616	614	614	607	599	600	628	0	11 36	678	23 01	596	82
4				611	616	616	621	625	631	635	645	658	653	655	658	657	657	649	636	619	607	602	599	608	607	595	606	628	0	8 34	665	22 51	593	72
5				602	604	611	612	615	618	620	621	623	637	651	654	660	657	646	638	628	618	615	610	609	605	600	616	624	0	12 39	663	22 54	592	71
6	✓			616	616	619	615	622	620	628	645	657	664	666	662	656	642	631	618	612	605	604	606	605	607	608	612	626	0	10 31	674	17 54	601	73
7	✓			614	616	617	613	614	622	628	641	657	679	701	710	691	664	636	621	605	605	607	604	607	613	616	614	633	0	11 48	715	19 15	602	113
8				613	614	613	613	616	618	625	640	658	676	692	709	690	681	658	657	664	655	626	587	574	593	597	602	636	1	11 31	719	20 33	569	150
9			✓	605	608	609	604	607	619	615	599	613	631	638	646	643	614	594	564	594	593	597	597	594	594	591	600	608	1	11 14	655	15 26	578	77
10				601	598	602	602	605	612	609	615	628	644	666	678	672	647	622	604	607	601	593	594	608	597	596	601	617	0	11 28	691	18 46	590	101
11				603	606	607	612	606	610	610	623	656	675	673	686	685	676	654	634	610	602	599	592	597	607	611	596	626	0	12 05	701	19 53	588	113
12				596	602	604	604	606	608	612	619	629	639	646	652	666	657	644	628	610	603	600	603	603	599	601	602	618	0	12 02	672	0 19	591	81
13	✓	✓		605	607	609	609	609	613	620	636	654	672	689	675	652	646	630	616	609	609	608	606	601	602	601	610	624	0	11 00	693	21 44	598	95
14	✓	✓		603	600	596	602	605	608	618	625	633	641	649	654	655	651	639	630	619	609	607	604	605	604	605	605	619	0	12 30	657	2 01	594	63
15	✓	✓		606	606	608	609	609	611	615	625	641	657	670	673	673	657	641	631	619	614	612	609	610	608	608	607	626	0	11 28	676	2 19	604	72
16	✓			610	613	616	617	618	622	622	627	632	646	672	694	693	670	649	626	610	609	604	606	601	602	607	610	628	0	12 29	700	20 28	600	100
17			✓	611	619	615	619	626	627	618	624	641	645	671	(688	686)	671	657	633	618	599	596	581	581	594	593	591	625	1	[12 48	692]	20 00	572	[120]
18				597	597	613	608	605	609	612	621	635	669	674	689	668	664	634	612	603	598	597	598	597	596	599	597	620	1	11 32	700	0 30	593	107
19				597	600	609	607	606	607	612	626	639	645	650	655	652	644	635	626	605	596	595	601	605	601	607	604	618	0	11 30	660	19 15	591	69
20				598	597	601	599	612	606	616	634	649	662	672	674	667	659	645	627	610	603	599	596	594	590	597	597	621	0	11 03	678	21 15	589	89
21	✓	✓		598	601	604	608	606	607	609	614	634	658	660	682	673	662	652	634	615	605	604	603	600	603	604	606	623	0	11 21	685	0 17	596	89
22	✓			603	601	605	605	609	613	623	641	650	649	654	652	658	662	656	644	626	617	611	606	597	596	602	606	624	0	13 55	668	21 08	594	74
23			✓	607	607	610	614	622	624	622	651	651	620	664	657	651	650	642	638	613	573	578	567	581	579	590	573	616	1	10 26	677	18 00	554	123
24			✓	580	588	614	605	590	594	600	610	621	639	613	640	641	629	618	607	598	587	583	585	587	588	588	588	604	1	11 01	653	0 05	572	81
25				588	588	596	602	601	597	604	612	638	664	683	685	673	650	630	603	591	588	592	595	595	593	592	594	615	0	11 06	696	1 00	586	110
26				596	601	599	601	602	605	609	624	641	663	683	679	677	665	632	615	608	599	589	585	591	595	600	586	619	0	10 52	693	18 43	577	116
27			✓	580	593	600	602	601	605	610	616	629	648	664	655	651	641	622	603	580	591	598	598	598	597	596	599	612	0	10 40	673	0 04	577	96
28				596	595	602	602	607	606	613	631	646	658	664	665	653	637	632	628	613	604	598	599	597	594	594	597	618	0	11 30	669	22 26	592	77
29	✓			600	604	604	606	609	611	614	618	622	643	647	648	634	622	613	608	603	600	600	598	601	604	605	605	613	0	9 52	653	0 06	597	56
30	✓	✓		604	603	605	608	608	610	616	625	629	626	633	633	635	631	631	621	611	609	611	610	605	606	603	608	616	0	12 10	638	1 46	602	36
31				608	610	612	608	609	615	617	626	633	644	641	634	628	623	616	611	610	615	620	615	614	611	612	614	619	0	9 33	652	1 04	606	46
MEANS ALL DAYS				602	605	608	608	610	613	617	627	639	651	662	665	661	650	636	623	611	605	602	599	600	601	601	602	621						86
MEANS TEN DAYS ✲				606	607	608	609	611	614	619	630	641	654	666	668	662	651	638	625	613	608	607	605	603	604	606	608	623						77
MEANS FIVE DAYS † (G. M. T.)				603	603	604	607	607	610	616	625	638	651	664	663	658	649	639	626	615	609	603 608	601 606	601	600	602	604	621						
MEANS FIVE DAYS ‡ (G. M. T.)				597	603	610	609	609	614	613	620	631	637	650	657	654	641	627	613	601	589	590	590	589	593	599	595	614						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 440

HORIZONTAL INTENSITY

AUGUST 1933

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		614	617	618	619	619	624	630	636	645	649	652	655	650	654	651	633	618	614	612	613	612	614	614	616	628	0	11 55	658	22 04	610	48
2	✓			618	617	619	621	620	616	622	632	644	662	676	682	677	661	641	620	610	611	608	610	609	606	604	602	629	0	12 17	685	24 00	598	87
3	✓			601	606	612	614	617	621	629	647	667	692	706	703	666	665	642	628	622	611	605	603	605	606	608	610	634	0	10 50	710	0 02	597	113
4				611	612	612	616	618	620	626	638	654	662	667	670	662	649	636	629	626	614	603	598	605	604	602	605	627	0	12 13	673	19 07	595	78
5			✓	607	596	586	593	600	620	639	656	669	668	623	680	630	623	513	532	554	554	542	545	546	559	539	542	592	1	11 36	708	14 39	490	218
6			✓	563	566	561	564	569	575	580	595	631	647	665	674	657	645	618	600	586	578	577	574	569	576	578	573	597	1	11 17	697	0 06	542	155
7				582	582	583	585	583	583	581	590	606	626	632	629	619	605	597	589	581	574	567	577	574	584	583	586	592	0	10 42	638	18 15	563	75
8				593	595	595	596	598	602	614	633	651	664	675	682	668	642	628	608	596	586	580	584	587	587	589	591	614	0	10 58	691	18 17	577	114
9	✓	✓		590	590	593	595	597	596	609	622	642	653	663	669	651	633	618	608	595	590	595	598	592	597	601	601	612	0	11 28	673	17 58	588	85
10	✓	✓		602	601	601	603	604	607	613	630	649	670	683	685	669	655	636	618	611	606	603	603	596	593	597	597	622	0	11 02	691	21 27	591	100
11	✓	✓		595	600	599	596	600	603	609	621	637	657	668	666	654	640	623	612	604	596	594	596	596	597	596	600	615	0	10 46	671	0 47	593	78
12	✓			602	603	605	606	609	611	614	621	628	646	673	667	685	690	673	650	624	608	599	598	595	596	600	604	626	0	13 22	700	20 25	594	106
13			✓	608	614	615	616	624	608	597	605	612	635	680	679	669	669	617	582	575	564	561	586	584	569	592	585	610	1	10 25	708	17 57	539	169
14				588	599	596	590	594	599	608	621	631	633	636	638	625	635	634	621	595	583	586	588	587	588	588	588	606	1	10 58	647	17 00	579	68
15				588	586	591	600	600	604	609	609	614	636	(650)	665	665	648	652	641	617	599	597	594	594	592	598	597	614	0	12 05	675	1 44	584	91
16				599	599	599	607	607	611	616	628	645	661	672	687	702	690	669	640	609	594	595	597	596	607	597	588	626	0	12 36	707	23 36	585	122
17				604	601	581	609	597	599	612	636	651	653	677	686	675	638	621	611	600	586	586	580	584	586	589	590	615	1	11 07	696	2 42	569	127
18			✓	583	600	562	583	604	588	599	611	634	664	672	655	631	(595	589)	583	577	577	563	587	561	603	592	577	600	1	11 55	711	20 41	556	155
19				566	602	600	590	594	595	603	621	639	662	678	688	685	672	649	617	599	589	585	581	584	592	590	591	616	0	11 39	698	0 00	570	128
20				591	600	598	596	595	601	611	613	623	620	634	655	670	641	623	615	582	568	582	578	583	595	581	591	606	1	12 19	679	17 46	565	114
21			✓	567	601	605	593	595	591	603	607	626	659	675	663	658	648	623	603	591	582	582	590	594	592	589	589	611	1	10 38	704	18 37	579	125
22				590	568	591	590	589	589	598	612	636	665	689	703	701	685	664	636	613	599	598	598	600	600	596	600	622	0	11 59	706	1 56	583	123
23				603	603	599	606	609	608	602	600	636	640	678	698	673	650	634	613	589	581	591	594	590	587	590	591	615	1	11 23	710	17 08	576	134
24				594	597	597	614	600	601	607	626	649	674	672	665	684	654	613	590	583	569	576	578	591	589	578	581	612	1	12 27	698	17 46	565	133
25				585	587	602	595	593	593	597	608	619	628	648	665	665	653	645	636	625	601	599	593	596	590	594	604	613	1	12 13	670	0 04	573	97
26				595	611	600	601	611	611	609	616	640	669	684	694	686	676	656	636	621	608	604	601	605	605	609	604	627	1	11 41	720	0 11	577	143
27				602	603	600	598	609	615	618	624	639	650	662	675	682	680	660	640	619	604	605	607	609	610	607	608	626	0	13 09	686	3 38	597	89
28				608	605	607	612	610	611	605	599	613	640	664	683	693	694	670	646	623	605	598	600	604	605	606	606	625	0	13 18	698	7 47	595	103
29	✓			602	607	613	611	613	614	615	624	639	661	687	707	713	708	692	664	633	613	607	604	605	607	609	608	636	0	12 05	716	1 00	597	119
30	✓			605	605	611	609	613	618	624	631	642	652	656	672	665	689	676	655	631	612	607	605	604	603	604	604	630	0	13 38	695	21 00	602	93
31	✓	✓		605	605	608	609	612	612	621	630	636	644	667	691	708	703	677	648	627	610	611	612	616	601	591	597	631	0	12 52	714	22 49	589	125
MEANS ALL DAYS				597	600	599	601	603	605	610	621	637	653	667	676	670	658	637	619	604	593	591	593	593	595	594	594	617						113
MEANS TEN DAYS ✲				603	605	608	608	610	613	619	629	643	659	673	682	678	670	653	634	618	607	604	604	603	602	603	604	626						95
MEANS FIVE DAYS † (G. M. T.)				601	603	604	605	606	609	616	628	642	655	667	673	666	657	641	624	611	603	601 603	601 604	599	598	601	601	621						
MEANS FIVE DAYS ‡ (G. M. T.)				590	595	590	590	594	596	604	615	634	655	663	674	649	636	592	580	577	571	565	580	583	588	582	586	604						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
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⊼ = NO RECORD

TABLE 150

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1933 — SEPTEMBER 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				607	613	614	619	621	619	633	653	653	660	681	692	699	706	690	653	626	615	610	607	603	610	605	598	637	1	13 36	713	23 06	596	117
2				600	604	607	619	616	618	633	647	681	707	726	732	729	711	687	662	623	597	596	606	605	602	604	603	642	1	11 28	749	17 55	590	159
3	✓	✓		606	609	610	611	612	615	620	636	662	694	725	731	726	688	650	614	602	607	607	607	607	604	600	596	635	0	12 05	735	23 25	594	141
4	✓			598	593	599	605	605	609	611	623	653	682	702	707	696	667	640	618	603	605	607	608	606	602	608	613	628	0	11 17	711	1 27	591	120
5	✓	✓		616	614	614	612	616	619	620	628	649	661	675	685	693	684	670	652	630	616	612	613	607	608	609	608	634	0	12 41	696	21 00	605	91
6	✓	✓		610	605	612	614	614	614	624	650	681	711	723	725	720	697	665	633	611	609	610	605	605	600	604	602	639	0	11 02	733	21 14	594	139
7	✓			603	602	612	614	613	614	617	627	647	665	669	670	663	651	637	624	609	596	597	590	593	601	594	591	621	0	10 00	679	19 42	586	93
8				566	589	593	602	605	608	614	619	639	667	677	693	688	673	659	634	618	610	600	596	602	608	605	576	623	1	11 18	701	24 00	547	154
9			✓	517	516	499	489	520	504	507	545	570	606	628	594	573	555	557	553	540	531	520	529	544	531	542	536	542	1	10 22	656	3 35	479	177
10			✓	563	554	549	555	561	556	556	563	582	602	640	650	656	655	653	602	579	559	565	566	569	567	574	573	585	1	12 17	667	0 00	542	125
11				577	573	575	569	566	571	568	583	602	634	655	663	648	639	621	602	586	571	563	571	560	557	563	579	592	1	10 58	674	22 21	547	127
12				559	563	565	572	576	572	569	572	595	615	638	641	635	626	618	607	588	572	567	569	571	572	575	576	588	1	11 03	645	0 11	556	89
13			✓	576	576	576	576	580	595	620	633	641	634	629	600	580	614	597	562	561	541	525	524	562	558	562	558	582	1	8 58	660	19 34	511	149
14			✓	557	560	564	568	575	583	571	580	597	605	623	645	631	607	585	579	564	552	563	582	572	565	583	573	583	1	11 21	666	22 11	546	120
15			✓	551	539	553	559	568	579	564	593	(608	634)	643	641	637	626	612	602	563	574	574	567	559	571	570	562	588	1	11 12	660	1 11	532	128
16				576	577	573	571	577	568	592	615	642	674	687	680	663	658	619	609	572	571	579	579	582	584	567	567	604	1	10 47	693	23 37	564	129
17				567	572	581	585	587	594	610	633	645	657	653	654	629	625	608	581	594	595	588	583	546	533	549	564	597	0	11 31	674	20 54	528	146
18				573	576	577	578	584	583	599	620	654	681	688	686	661	636	615	603	590	563	563	585	586	569	590	588	609	0	11 02	691	0 00	568	123
19				588	589	583	584	568	596	604	625	662	695	686	664	638	595	584	575	573	583	578	577	570	586	588	599	605	0	9 23	714	16 07	562	152
20				585	585	585	586	592	599	611	643	683	712	722	708	676	647	616	593	587	588	569	590	582	583	590	581	618	0	10 34	731	21 13	578	153
21				561	581	588	591	593	595	605	628	659	702	714	707	690	652	616	595	582	588	595	587	586	586	583	584	616	0	10 57	722	16 43	575	147
22	✓			565	589	590	594	595	596	606	633	665	692	709	707	695	663	628	602	588	584	581	579	586	581	584	582	617	0	10 37	714	19 50	579	135
23	✓	✓		581	585	581	594	594	595	569	606	645	682	706	709	697	675	646	619	596	587	590	591	591	594	594	595	619	0	10 38	719	2 35	577	142
24	✓	✓		592	590	587	592	597	597	588	602	644	671	691	693	692	669	651	626	607	599	596	591	584	582	583	591	617	0	12 03	701	21 54	578	123
25				595	594	594	596	601	602	599	609	638	682	692	690	651	616	603	589	576	574	584	591	593	591	590	592	610	1	9 45	717	17 13	565	152
26				593	596	596	600	608	617	608	609	626	663	694	712	716	677	652	619	588	581	593	603	600	604	607	592	623	0	12 16	733	16 56	572	161
27				593	603	602	603	603	609	610	627	655	686	711	704	688	660	634	623	607	594	591	587	594	577	581	584	622	0	10 17	724	21 15	574	150
28				586	592	595	600	602	606	605	617	641	668	693	703	700	676	645	621	600	591	586	586	590	598	596	591	620	1	12 13	709	18 40	581	128
29	✓			607	605	606	612	603	603	606	623	653	685	721	733	734	665	645	623	609	604	605	603	600	598	595	594	631	1	10 28	755	23 38	593	162
30	✓			595	597	601	605	605	605	604	619	651	683	705	714	710	670	619	593	594	599	600	598	598	596	598	599	623	0	11 53	722	16 05	586	136
31																																		
MEANS ALL DAYS				584	585	586	589	593	595	599	615	641	667	684	684	674	652	630	609	593	586	565	586	585	585	586	586	612						136
MEANS TEN DAYS ✲				599	599	601	605	605	607	608	625	655	683	703	707	703	673	645	620	605	601	600	598	598	597	597	597	626						128
MEANS FIVE DAYS † (G. M. T.)				601	601	601	605	607	608	608	624	656	684	704	709	706	683	657	629	609	604	597 603	599 601	599	597	600	600	629						
MEANS FIVE DAYS ‡ (G. M. T.)				553	549	548	549	561	564	568	583	600	616	633	626	615	611	597	580	565	551	549	560	570	567	573	564	577						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 451

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

OCTOBER 1933

OCTOBER 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		599	600	600	603	605	605	604	619	655	695	720	727	709	678	647	629	624	618	612	605	608	600	598	600	632	0	11	25 731	0	03 598	133
2	✓			600	593	601	607	604	607	602	621	654	677	687	(690)	671	641	616	605	600	604	608	609	608	608	608	606	622	0	11	33 702	1	43 591	111
3	✓			607	609	609	612	614	615	625	645	679	707	719	712	686	653	626	616	622	610	607	605	608	601	595	598	632	0	11	08 729	22	41 592	137
4				595	597	602	602	603	609	616	639	687	733	745	746	704	659	623	602	598	596	591	572	586	561	558	553	624	0	11	17 764	23	30 545	219
5			✓	571	575	560	587	591	587	584	598	634	682	707	725	702	674	629	598	569	563	562	577	575	584	586	583	611	1	11	25 736	0	00 561	175
6				584	589	590	595	604	603	594	598	647	686	708	712	702	667	626	609	598	593	597	595	581	572	568	578	616	0	11	50 720	22	12 560	160
7			✓	584	594	607	600	596	590	578	607	649	687	702	729	649	608	581	559	558	565	572	587	588	579	583	581	606	1	11	22 743	15	54 542	201
8				579	579	590	587	587	592	587	602	642	685	725	724	697	657	618	593	585	586	594	598	581	578	604	588	615	0	11	28 737	21	54 571	166
9			✓	579	584	596	600	611	606	590	601	624	668	696	701	712	681	640	614	597	580	573	564	592	569	575	577	614	1	12	26 721	19	50 562	159
10				582	594	595	592	590	585	573	586	617	659	699	707	689	651	621	597	578	583	590	593	582	592	584	586	609	0	11	18 719	7	05 563	156
11				585	586	597	588	590	588	579	581	616	646	674	692	686	670	635	617	604	580	552	561	575	559	567	567	604	0	11	50 703	18	47 549	154
12				590	584	576	583	586	590	585	597	611	635	650	666	670	663	642	621	604	585	591	593	594	590	593	594	608	0	12	22 675	0	00 558	117
13			✓	593	593	595	596	597	601	603	604	609	662	671	722	737	722	691	657	616	588	567	583	592	585	585	586	623	0	12	03 742	18	47 558	184
14			✓	579	587	593	592	596	593	586	594	620	643	664	685	671	650	627	596	595	586	581	586	593	599	602	594	609	0	11	08 697	0	36 578	119
15				594	594	594	593	594	594	584	591	623	664	682	679	660	647	625	613	603	596	590	587	588	594	591	589	611	0	10	17 693	6	55 575	118
16		✓		590	590	592	594	594	595	597	630	676	704	710	(699)	683	670	655	634	613	602	599	593	591	595	600	599	625	0	[10	46 714]	1	50 588	[126]
17				595	595	602	606	605	604	606	630	664	682	688	679	670	664	647	627	604	591	583	572	582	588	581	579	619	0	10	01 703	19	25 565	138
18				576	574	565	577	578	578	579	604	637	642	652	652	648	637	621	593	575	574	575	587	584	581	583	583	598	1	9	59 672	2	26 559	113
19				584	584	586	590	591	593	601	627	657	682	696	688	674	656	632	618	608	596	592	590	594	595	594	595	618	0	10	58 706	1	30 583	123
20				594	596	590	591	598	594	590	613	652	686	694	689	676	655	628	608	598	605	602	592	600	600	599	601	619	0	10	42 706	3	24 588	118
21	✓	✓		602	607	606	604	601	595	586	598	623	661	679	687	673	652	640	637	626	613	604	605	605	605	602	603	621	0	11	55 705	6	45 580	125
22	✓			602	598	598	606	608	606	604	630	662	722	754	729	708	674	640	614	601	597	598	596	598	597	599	606	631	0	10	48 738	3	12 595	143
23	✓			610	608	609	607	609	609	591	608	663	714	744	752	739	707	670	640	616	611	601	599	600	604	605	606	638	0	11	42 756	6	52 586	170
24				602	602	615	614	612	607	593	597	650	734	737	710	712	695	663	630	621	609	597	577	577	581	581	580	629	1	9	24 771	19	39 569	202
25				593	593	597	597	604	603	584	587	611	642	640	615	615	609	597	610	611	597	597	597	602	596	594	598	604	1	9	48 681	6	57 575	106
26				601	597	603	601	603	608	613	624	645	670	655	647	633	622	620	618	599	607	604	602	594	587	588	585	614	0	10	00 695	24	00 581	114
27	✓			563	587	590	595	598	597	592	606	629	650	663	654	647	636	628	626	619	610	605	596	594	592	595	599	612	0	10	16 671	0	04 580	91
28	✓	✓		599	603	605	603	603	604	606	628	664	687	694	678	647	622	621	624	617	609	605	606	608	603	604	605	623	0	10	12 700	0	28 597	103
29	✓	✓		603	601	601	601	603	604	604	628	668	698	708	693	667	637	621	612	610	607	605	602	601	601	600	597	624	0	10	32 715	23	38 595	120
30	✓			602	605	604	606	609	616	627	649	683	708	718	705	699	677	656	637	622	609	608	607	607	607	607	608	636	0	10	12 730	0	04 597	133
31				608	609	607	609	614	623	635	682	704	710	704	689	667	642	631	630	628	621	616	615	616	611	604	604	637	0	9	04 730	23	33 601	129
MEANS ALL DAYS				592	594	597	598	600	600	597	614	648	681	696	696	681	657	633	616	604	597	593	592	594	591	591	591	619						141
MEANS TEN DAYS ✲				601	601	602	604	605	606	604	623	660	692	707	703	685	658	636	624	616	609	605	603	604	602	601	603	627						127
MEANS FIVE DAYS † (G. M. T.)				599	600	601	601	601	601	599	621	657	689	702	697	676	652	637	627	618	610	600 605	596 602	598	597	597	599	624						
MEANS FIVE DAYS ‡ (G. M. T.)				581	587	594	595	598	595	588	601	627	668	688	712	694	667	634	605	587	580	575	58[illegible]	587	577	582	580	612						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TA LE 452

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

NOVEMBER 1933 — NOVEMBER 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓			600	593	600	600	600	606	611	638	665	679	683	667	637	624	605	602	606	608	606	605	603	601	601	602	618	0	10	10	695	1	26	592	103
2				604	606	611	606	605	611	618	642	692	723	754	742	698	644	612	583	576	586	601	605	602	597	595	595	630	0	10	53	768	16	22	572	196
3				608	604	599	599	605	609	628	657	687	736	740	725	702	648	611	593	570	581	588	596	599	592	595	605	628	0	9	58	763	16	17	565	198
4				606	602	602	601	602	600	613	640	678	702	691	703	664	628	611	573	579	592	596	595	595	595	599	599	619	0	11	31	719	15	42	561	158
5				604	598	601	604	605	607	612	626	660	685	689	682	651	614	584	565	570	590	600	597	591	599	591	602	614	0	9	37	704	16	03	551	153
6			✓	605	596	582	588	601	614	628	655	669	702	646	611	587	577	595	590	581	574	572	574	583	576	590	590	604	1	9	05	754	12	46	542	212
7			✓	593	592	590	584	589	587	575	583	599	643	642	642	638	609	590	557	566	571	583	587	597	588	581	585	595	1	9	39	672	15	37	536	136
8			✓	604	595	595	586	590	577	586	618	661	657	689	661	652	628	607	592	578	569	578	584	587	587	585	581	606	1	10	08	702	17	17	565	137
9				581	584	588	591	594	604	595	609	627	644	645	657	654	650	635	610	602	595	595	596	599	597	596	599	610	0	11	41	674	0	11	576	98
10				584	583	590	591	597	604	606	620	628	633	623	644	643	645	632	614	597	580	578	581	589	579	595	600	606	0	12	03	669	18	01	572	97
11			✓	593	595	597	594	600	605	602	602	622	653	672	669	645	621	588	574	579	581	588	593	592	595	588	595	606	1	10	14	707	15	42	569	138
12				592	592	593	594	597	601	597	610	630	643	669	670	659	644	635	617	599	587	583	587	590	592	595	593	611	0	11	29	682	18	35	578	104
13	✓			594	590	593	593	594	596	599	613	632	643	649	647	625	620	618	615	616	616	613	611	611	612	611	609	613	0	11	22	652	1	33	590	62
14	✓	✓		611	601	596	600	600	601	597	607	621	634	618	602	591	594	596	606	612	615	607	602	603	601	604	611	605	0	9	33	642	12	40	587	55
15	✓	✓		612	611	610	612	614	618	623	641	679	686	678	659	628	(628	616)	618	617	615	614	614	612	605	600	599	625	0	9	52	696	23	52	595	101
16	✓			597	595	597	600	602	608	612	624	645	664	667	644	633	623	611	614	609	604	603	602	595	597	603	604	615	0	10	37	682	1	24	593	89
17	✓	✓		608	609	610	[illegible]	613	618	627	642	658	666	663	648	633	611	603	604	611	609	606	602	598	598	607	614	620	0	9	58	676	20	40	595	81
18				603	595	600	[illegible]	612	618	633	662	698	684	679	672	623	587	584	601	614	609	611	606	602	599	602	601	621	0	8	57	715	13	35	575	140
19				595	593	596	599	604	613	631	646	669	688	699	698	665	635	621	596	597	593	579	573	585	594	597	597	619	0	11	13	708	19	03	571	137
20				595	597	598	599	601	604	610	625	656	689	710	711	689	658	635	600	580	589	596	584	574	588	590	595	620	0	11	25	715	20	13	559	156
21				599	600	603	604	605	611	599	610	646	678	663	665	658	643	625	614	604	590	587	589	598	606	605	605	617	1	9	07	710	19	31	584	126
22				601	606	605	605	606	607	609	630	650	683	691	693	674	658	633	622	618	608	603	599	598	596	596	600	625	0	10	56	718	23	09	589	129
23				597	600	602	603	606	613	617	633	651	664	661	669	654	648	621	609	600	600	606	602	604	607	609	604	620	0	9	57	683	0	30	594	89
24	✓	✓		604	603	603	605	607	611	613	623	635	650	644	626	628	617	600	597	604	606	604	601	602	602	607	605	612	0	10	42	659	14	52	590	69
25	✓			605	607	609	610	612	617	618	627	643	668	662	667	662	648	641	626	612	602	604	607	609	611	607	605	624	0	9	52	692	17	57	598	94
26	✓	✓		605	607	608	606	604	611	619	626	638	645	647	631	596	587	587	595	605	606	604	601	600	599	601	604	610	0	11	06	667	13	33	584	83
27			✓	603	604	605	609	610	616	618	625	640	651	656	666	648	632	603	573	562	563	566	571	578	581	585	588	606	1	11	33	691	15	58	555	136
28				589	584	592	592	590	595	588	612	642	660	672	667	638	617	619	614	607	599	596	598	592	591	601	599	611	0	11	03	689	1	29	582	107
29				596	591	594	597	597	603	613	626	640	643	618	587	556	539	549	567	586	597	598	594	595	598	595	597	595	0	9	11	650	13	38	534	116
30	✓			600	601	602	603	606	615	620	634	653	675	690	689	676	660	634	612	607	606	606	601	600	599	600	600	625	0	10	32	700	21	23	597	103
31																																				
MEANS ALL DAYS				600	598	599	600	602	607	611	627	651	669	670	664	644	625	610	598	595	595	596	595	596	596	598	599	614								120
MEANS TEN DAYS ✲				604	602	603	604	605	610	614	628	647	661	660	648	631	621	611	609	610	609	607	605	603	602	604	605	617								84
MEANS FIVE DAYS (G. M. T.) †				608	606	605	607	608	612	616	628	646	656	650	633	615	607	600	604	610	610	607 607	605 604	604	606	607	607	615								
MEANS FIVE DAYS (G. M. T.) ‡				600	596	594	592	598	600	602	617	642	661	661	650	634	613	597	577	573	572	577	588	592	588	592	596	605								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
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⊼ = NO RECORD

TABLE 453

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1933

DECEMBER 1933

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		603	604	607	613	614	617	614	621	640	663	676	661	639	601	586	586	597	607	609	606	604	602	609	608	616	0	10 15	682	15 03	581	101
2				607	603	606	607	610	614	624	647	683	706	719	703	678	636	613	602	598	609	609	614	611	612	616	617	631	0	10 43	721	16 32	594	127
3			✓	619	617	615	618	623	626	616	626	631	681	695	702	697	668	631	595	554	565	590	596	601	597	589	582	622	0	10 37	717	17 00	547	170
4			✓	600	606	596	591	593	602	603	622	624	645	642	609	609	572	549	564	588	597	597	600	599	592	588	589	599	1	9 10	660	14 38	535	125
5			✓	595	594	593	593	597	604	611	621	651	658	660	654	595	569	579	581	590	576	583	577	587	592	587	590	602	1	9 19	687	13 50	553	134
6				588	590	590	594	598	607	619	621	653	671	668	663	646	615	596	594	583	592	594	595	604	602	597	597	612	0	11 05	693	16 33	578	115
7				597	598	605	605	606	607	618	637	624	652	674	674	667	653	590	587	583	584	588	592	588	592	591	591	613	1	10 37	684	17 03	579	105
8				591	593	595	595	597	600	601	611	631	650	672	676	667	651	627	602	588	586	590	596	595	597	597	599	613	0	10 57	681	17 22	584	97
9			✓	600	602	603	605	613	616	615	624	654	657	675	641	600	571	530	511	516	538	552	565	577	573	575	583	592	1	9 08	714	16 10	499	215
10			✓	586	601	596	590	591	595	583	591	604	637	624	653	619	597	573	563	576	584	594	595	586	585	587	583	596	1	9 37	676	15 01	551	125
11				583	585	590	592	593	595	594	596	613	638	653	655	646	630	621	608	596	587	587	589	593	600	601	598	606	0	10 42	661	0 48	580	81
12				600	601	599	597	596	597	607	611	629	654	678	687	660	650	640	628	606	602	601	598	603	606	611	609	620	0	11 22	703	4 10	595	108
13				614	614	613	610	609	612	612	615	629	651	713	669	680	670	656	643	623	602	599	598	599	603	604	605	627	0	12 37	687	19 35	596	91
14	✓	✓		610	610	611	606	607	614	613	611	620	636	653	661	655	647	626	610	601	603	603	603	606	608	612	615	618	0	11 26	666	16 11	598	68
15	✓	✓		620	621	622	620	613	615	612	610	622	643	666	677	686	676	657	627	609	606	607	611	613	613	611	618	628	0	12 01	692	6 46	603	89
16	✓			621	621	620	618	620	626	628	631	646	661	681	685	683	664	633	606	592	588	588	596	600	605	606	606	626	0	11 55	703	17 26	585	118
17				604	603	606	609	609	613	623	627	640	665	677	667	658	634	609	592	580	583	592	593	590	585	586	591	614	0	10 50	690	16 29	575	115
18				586	594	600	599	601	605	606	618	637	653	666	(663)	648	643	608	596	571	556	590	587	595	603	596	597	609	0	[11 13	672]	17 28	544	[128]
19				598	599	606	607	606	611	624	639	661	673	661	649	630	602	587	595	599	606	599	599	599	599	601	601	615	0	9 40	683	14 32	581	102
20				603	604	604	601	601	605	614	627	657	682	700	705	699	670	636	587	557	573	585	593	594	599	603	603	621	0	11 13	712	16 17	553	159
21				603	606	609	611	612	615	610	607	629	650	675	687	668	641	591	572	573	588	601	608	608	609	606	608	616	0	11 48	690	15 51	567	123
22				611	611	607	606	611	617	611	608	632	654	695	705	692	660	635	624	608	596	599	603	605	605	604	607	625	0	10 54	727	17 40	594	133
23	✓			606	605	605	606	609	609	600	597	618	656	683	689	672	650	623	606	593	590	598	604	605	605	605	605	618	0	11 23	697	16 58	585	112
24	✓	✓		604	605	604	606	607	611	603	606	630	658	669	660	655	653	642	628	620	614	612	615	618	620	615	616	624	0	10 34	676	7 00	600	76
25				613	615	622	625	626	627	628	639	657	678	708	692	683	673	658	629	614	606	610	614	613	615	618	613	636	0	10 44	725	17 08	603	122
26				612	613	613	616	617	621	619	618	636	650	676	683	685	668	644	626	616	614	610	607	613	611	613	608	629	0	11 45	689	19 40	606	83
27	✓			606	609	611	611	610	614	622	632	652	683	698	698	673	637	594	587	591	594	600	603	604	604	605	606	623	0	11 07	709	14 58	582	127
28				606	606	606	606	609	611	606	600	605	636	654	671	659	650	636	618	611	597	574	591	592	581	587	596	613	0	11 50	677	18 48	565	112
29	✓			600	598	598	599	604	608	611	610	623	653	671	658	651	632	604	589	595	597	601	602	605	605	604	606	614	0	10 21	681	15 50	587	94
30	✓	✓		607	607	608	607	606	609	610	623	653	679	709	712	694	659	627	599	595	602	609	613	612	618	622	622	629	0	11 47	717	15 51	592	125
31	✓			621	623	622	616	616	623	628	630	640	655	689	699	701	683	655	620	604	604	609	608	607	608	609	609	632	0	12 19	711	16 52	601	110
MEANS ALL DAYS				604	605	606	606	607	611	612	619	636	659	677	674	661	640	615	599	591	592	596	599	601	601	602	603	617						116
MEANS TEN DAYS ✱				610	610	611	610	611	615	614	617	634	659	680	680	671	650	625	606	600	600	604	606	607	609	610	611	623						102
MEANS FIVE DAYS † (G. M. T.)				609	609	610	610	609	613	610	614	633	656	675	674	666	647	628	610	604	606	601 608	602 610	603	604	605	606	621						
MEANS FIVE DAYS ‡ (G. M. T.)				600	604	601	599	603	609	606	617	633	656	659	652	624	595	572	563	565	572	583	594	597	594	593	594	604						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 454

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1933 JANUARY 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1			✓	42	44	45	46	47	47	46	45	44	44	40	41	35	32	30	37	53	55	54	53	49	47	49	50	45	1	17	50 56	14	20 27	29
2				47	48	48	48	49	49	52	60	61	57	50	43	32	31	35	38	41	44	47	48	49	48	49	49	47	1	7	54 62	12	52 30	32
3	✓			48	48	48	49	50	49	48	47	44	45	43	45	48	44	34	25	37	42	44	48	48	50	50	50	45	0	4	12 51	15	35 23	28
4	✓	✓		50	50	50	50	51	50	51	56	60	57	57	48	36	41	44	48	52	53	51	51	50	51	52	52	50	0	8	10 61	12	38 34	27
5		✓		52	52	52	52	51	49	50	59	59	61	69	77	84	93	93	71	61	55	51	52	53	55	53	51	61	0	14	00 98	5	58 47	51
6				47	51	53	53	52	53	51	51	55	62	[57]	□							□	52	52	52	51	50		1	[9	50 66]			
7				52	51	53	53	55	52	50	52	55	62	62	59	57	63	74	72	65	57	52	52	52	52	52	52	56	1	14	50 75	6	02 49	26
8	✓			52	50	52	54	55	54	53	54	52	53	59	65	61	61	55	57	58	56	55	54	52	52	53	52	55	0	11	32 68	8	58 50	18
9	✓			53	53	53	53	54	52	52	55	61	69	74	67	56	56	66	65	53	49	50	51	51	51	50	50	56	0	10	10 76	17	32 48	28
10	✓	✓		50	51	52	53	54	53	55	60	65	66	72	78	71	55	42	37	45	50	50	53	53	54	53	53	55	0	11	46 79	15	19 36	43
11	✓	✓		53	53	54	54	55	54	57	61	63	66	78	81	73	79	81	74	62	57	55	54	54	53	53	54	62	0	14	19 83	5	57 52	31
12	✓			54	54	54	55	55	54	56	61	57	52	58	59	50	44	49	46	48	49	53	55	55	54	54	54	53	0	7	49 62	13	17 43	19
13	✓			54	55	55	56	54	52	51	62	66	67	70	54	57	59	72	79	75	65	59	58	57	56	56	56	60	0	15	20 80	11	50 49	31
14				56	56	56	56	56	54	53	53	48	44	49	50	49	47	43	51	56	58	58	59	56	54	53	50	53	0	18	50 60	14	33 43	17
15				49	49	51	52	55	55	60	71	70	69	60	53	48	56	63	59	54	55	52	50	51	52	52	53	56	1	7	37 72	12	25 46	26
16				53	53	54	55	55	55	52	49	50	48	(39	48)	39	(43	54	61)	65	65	60	55	55	55	53	53	53	0	17	05 68	[12	49 35	33]
17	✓			53	53	53	53	56	56	58	64	68	67	62	57	60	69	69	64	55	52	53	56	54	54	53	52	58	0	14	08 71	17	46 51	20
18	✓			53	53	54	55	56	57	57	58	51	43	44	30	30	37	47	49	54	56	54	54	53	51	50	51	50	0	6	48 60	11	52 27	33
19			✓	50	49	49	52	53	53	53	50	49	55	63	56	66	68	59	54	51	51	51	52	52	52	49	47	54	1	13	05 72	23	59 45	27
20				45	48	49	52	55	56	57	62	64	68	66	58	54	51	54	48	52	54	52	52	51	51	51	51	54	0	9	54 70	0	19 44	26
21		✓		50	51	51	52	53	54	55	59	56	60	68	69	66	57	62	64	55	49	49	51	51	52	52	51	56	0	11	56 70	17	20 48	22
22			✓	49	47	49	51	53	54	52	57	68	76	69	67	56	42	30	28	35	43	50	50	52	54	53	53	52	1	9	29 79	15	18 27	52
23				52	50	53	55	56	55	53	56	56	62	65	68	69	66	51	45	44	50	53	56	56	55	54	53	56	1	12	47 71	16	12 41	30
24				53	54	55	56	56	55	56	61	58	54	54	48	46	40	41	43	41	47	51	52	53	53	54	54	51	1	7	15 61	14	05 37	24
25				54	55	54	56	58	56	56	59	57	53	51	54	56	68	67	58	49	46	50	52	51	51	48	49	54	1	14	05 73	17	18 45	28
26				49	50	50	50	53	53	54	57	55	52	52	48	49	53	59	57	49	49	50	51	53	50	49	50	52	1	14	49 63	11	32 47	16
27			✓	49	50	52	51	53	53	49	49	46	45	46	44	45	52	50	50	54	58	58	55	53	52	53	51	51	1	18	51 59	11	25 41	18
28			✓	51	51	53	53	54	54	54	50	45	40	36	30	28	42	56	60	57	53	53	55	53	52	53	52	49	1	15	32 62	12	05 26	36
29				52	52	53	56	56	55	53	52	49	42	35	33	41	36	29	31	40	47	52	56	56	52	53	53	47	1	20	11 57	14	20 27	30
30				52	52	53	54	55	57	55	57	58	57	47	38	26	26	33	38	45	49	50	51	52	53	52	53	48	0	5	09 59	12	31 23	36
31				51	51	52	55	56	57	59	66	61	52	43	40	42	46	44	41	42	48	52	53	52	51	52	54	51	0	7	25 67	12	03 38	29
MEANS ALL DAYS a)				51	51	52	53	54	54	54	57	56	56	56	54	51	52	53	52	52	52	52	53	53	52	52	52	53						a) 29
MEANS TEN DAYS ✲				52	52	52	53	54	53	54	58	59	58	62	58	54	54	56	54	54	53	52	53	53	53	52	52	54						28
MEANS FIVE DAYS (G. M. T.) †				51	51	52	52	53	52	54	59	61	62	69	71	66	65	64	59	55	53	49 51	51 52	51	51	51	51	56						
MEANS FIVE DAYS (G. M. T.) ‡				48	48	50	51	52	52	51	50	50	52	51	48	46	47	45	46	50	52	53	53	53	52	51	51	50						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day January 6

TABLE 455

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1933

FEBRUARY 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				54	54	53	55	55	57	60	65	70	74	74	71	68	66	55	47	49	53	52	53	55	55	54	53	58	0	9 48	77	15 11	46	31
2				52	55	55	56	55	54	55	65	71	68	65	56	47	48	46	45	49	49	52	53	53	53	53	54	55	1	8 27	73	12 28	43	30
3				53	53	53	55	55	56	55	62	64	61	59	56	57	57	48	40	40	45	50	52	52	53	55	55	54	0	8 12	66	15 43	38	28
4				53	54	54	55	56	57	56	60	57	54	53	58	63	57	55	50	49	49	51	53	52	52	52	52	54	1	7 59	61	16 35	48	13
5	✓			53	52	53	55	56	57	60	70	75	67	57	54	55	51	44	36	40	45	51	53	52	52	52	52	54	1	8 10	76	15 12	35	41
6	✓	✓		52	52	53	55	57	56	53	56	62	59	52	52	54	56	56	45	45	49	53	54	53	53	53	53	53	0	8 46	64	15 41	42	22
7				53	52	52	53	56	57	58	73	78	74	73	70	71	67	59	49	45	45	49	53	54	55	55	56	59	1	8 20	83	16 48	44	39
8				56	56	56	57	58	57	56	61	62	60	63	63	60	59	55	52	50	50	52	55	54	55	54	53	56	0	10 49	65	17 18	49	16
9	✓			53	54	54	56	57	57	57	61	62	59	55	56	55	52	54	56	53	52	52	54	55	56	56	56	56	0	8 17	63	14 10	49	14
10	✓			57	58	58	58	59	58	55	57	51	43	41	39	43	47	51	55	58	55	56	58	57	57	57	56	54	0	4 45	60	11 12	39	21
11	✓	✓		58	58	60	60	60	59	58	60	55	50	49	46	47	53	61	70	67	60	57	58	57	56	56	58	57	0	15 40	72	11 25	46	26
12	✓			58	60	60	61	60	61	61	67	68	66	61	54	52	55	63	66	63	60	59	60	59	60	59	59	60	0	7 48	70	11 53	51	19
13	✓	✓		59	61	62	62	63	63	60	62	63	62	60	59	54	52	56	62	67	65	59	57	57	59	59	59	60	0	16 47	68	13 15	49	19
14				60	59	61	62	61	63	65	75	80	78	71	68	60	57	58	63	65	61	58	58	59	58	58	57	63	0	8 44	82	13 42	55	27
15				59	58	58	59	62	62	60	68	71	(73	73)	71	64	59	(56)	56	57	57	57	58	58	58	58	59	61	0	[9 —	74	14 —	55	19]
16	✓	✓		60	60	60	60	62	62	61	70	78	79	80	76	71	68	64	61	57	54	54	56	57	58	59	59	64	0	10 05	80	18 30	53	27
17	✓	✓		60	60	61	61	62	63	65	69	76	76	79	83	84	83	72	60	55	54	55	56	58	59	60	60	65	0	12 55	85	17 40	53	32
18				60	60	61	62	63	63	61	57	57	57	60	62	66	71	66	55	52	54	56	62	61	61	61	62	60	0	13 40	72	16 10	51	21
19			✓	61	61	60	61	63	63	63	63	64	68	74	71	70	62	56	53	51	52	57	56	61	62	63	64	62	1	10 07	80	16 50	49	31
20				63	62	63	63	66	63	58	65	71	72	67	68	70	68	69	63	55	54	55	58	59	59	57	62	63	1	7 59	73	17 03	53	20
21			✓	59	61	61	61	62	61	58	62	63	64	69	77	80	75	73	65	57	55	55	57	53	55	56	55	62	1	12 19	83	20 22	51	32
22			✓	56	56	59	62	64	63	59	56	54	52	55	57	58	58	58	56	56	55	55	56	55	56	56	57	57	1	4 15	64	9 44	50	14
23			✓	60	60	59	59	61	62	59	58	54	52	53	54	55	62	59	54	48	53	55	57	57	57	57	58	57	1	13 12	65	12 03	45	20
24			✓	59	59	60	59	61	62	61	61	55	54	56	55	57	60	65	59	52	51	56	55	55	56	57	56	58	1	14 32	68	18 13	50	18
25				57	58	59	60	60	61	60	63	61	57	51	46	43	44	50	51	49	49	50	53	56	54	56	58	54	1	7 14	64	13 02	41	23
26				59	60	60	61	62	61	59	62	61	54	47	42	40	46	48	49	49	50	54	55	56	57	55	56	54	1	7 20	63	12 12	39	24
27				57	58	58	60	61	61	62	66	59	57	56	56	58	57	60	56	50	50	50	51	53	55	55	57	57	0	7 21	67	18 33	49	18
28	✓			58	59	59	60	61	62	62	64	63	58	55	55	53	54	59	60	58	52	56	57	58	58	59	59	58	0	7 34	65	12 51	51	14
29																																		
30																																		
31																																		
MEANS ALL DAYS				57	58	58	59	60	60	59	64	64	62	61	60	59	59	58	55	53	53	54	56	56	56	56	57	58						24
MEANS TEN DAYS ✲				57	57	58	59	60	60	59	64	65	62	59	57	57	57	58	57	56	55	55	56	56	57	57	57	58						24
MEANS FIVE DAYS † (G. M. T.)				58	58	59	60	61	61	59	63	67	65	64	63	62	62	62	60	58	56	55 56	57 56	57	57	57	57	60						
MEANS FIVE DAYS ‡ (G. M. T.)				59	59	60	60	62	62	60	60	58	58	61	63	64	63	62	57	53	53	56	58	57	58	57	59	59						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 456

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MARCH 1933

MARCH 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			60	60	61	60	61	63	65	66	62	56	53	48	47	48	47	48	53	56	58	59	59	60	61	62	57	0	6	57	67	14 25	46	21
2	✓			63	62	62	63	63	65	66	72	71	68	64	61	57	54	52	54	58	58	58	59	59	59	61	60	61	0	7	58	74	13 58	51	23
3				62	64	64	64	65	66	67	71	70	65	60	58	60	61	57	50	50	52	55	57	58	58	59	59	60	1	7	21	73	16 11	48	25
4	✓			62	63	62	63	63	64	64	67	70	68	68	65	63	62	56	48	46	49	55	59	59	59	62	62	61	0	8	05	72	16 20	46	26
5	✓	✓		62	60	62	63	64	64	62	56	53	52	55	56	58	63	64	61	59	59	57	57	59	60	61	62	60	0	5	04	64	9 30	50	14
6	✓	✓		63	64	64	63	64	64	64	65	67	72	79	82	86	90	79	61	53	56	61	61	60	60	62	62	67	0	13	10	91	16 35	52	39
7	✓	✓		62	62	63	63	64	66	65	60	57	54	52	54	55	61	60	56	50	53	61	62	63	63	63	63	60	0	6	05	67	16 30	49	18
8	✓			62	62	63	64	65	66	66	60	57	49	47	45	46	52	51	53	55	59	61	62	62	62	62	62	58	0	5	30	67	12 07	44	23
9	✓	✓		63	63	63	64	64	64	60	58	57	56	57	58	61	65	64	60	58	58	61	62	62	62	62	63	61	0	5	10	65	9 10	55	10
10				62	63	63	64	64	64	60	55	52	52	52	51	54	57	58	58	58	59	59	58	59	59	63	64	59	0	5	00	65	11 00	51	14
11	✓			67	66	65	65	64	64	63	66	67	69	67	67	66	66	66	64	63	64	65	62	62	62	62	63	65	1	9	20	69	19 03	62	7
12				63	63	64	66	66	65	64	67	67	64	64	67	74	79	80	72	64	59	61	62	62	61	60	60	66	1	14	00	82	17 50	57	25
13				61	63	62	63	64	63	64	67	69	66	62	65	71	73	77	72	69	67	64	64	64	63	61	60	66	1	14	35	78	10 52	58	20
14				60	62	63	64	65	65	65	66	66	63	63	65	63	60	62	67	65	60	61	62	63	61	61	59	63	0	15	59	68	13 46	58	10
15				60	62	62	64	63	63	63	63	64	63	59	58	58	(58 | 57)	57	61	64	64	64	64	64	63	64	62	0	5	20	65	15 30	55	10
16	✓	✓		65	65	65	66	67	67	65	62	59	54	50	45	45	44	43	43	46	51	60	63	63	62	62	63	57	0	5	05	68	14 30	42	26
17				65	65	65	66	66	66	67	68	68	69	69	66	69	67	66	67	69	68	68	66	65	62	62	61	66	0	7	42	70	23 25	61	9
18			✓	60	65	66	67	68	69	71	70	70	68	72	80	70	57	54	49	48	50	56	61	65	62	64	64	64	1	11	20	82	16 20	46	36
19			✓	65	66	67	67	67	67	68	69	69	70	68	63	65	62	64	64	61	66	64	63	62	60	59	61	65	1	7	23	72	22 15	59	13
20			✓	64	62	62	65	65	67	64	62	62	59	56	54	51	48	46	48	49	50	57	60	61	60	62	62	58	1	5	40	68	13 53	45	23
21				62	63	64	65	65	66	63	67	71	69	69	65	66	66	64	58	56	59	62	59	56	63	62	62	63	1	8	50	72	16 06	54	18
22				64	64	66	65	67	68	66	67	68	67	69	68	68	68	69	71	65	60	58	58	60	60	60	63	65	1	15	00	72	18 12	57	15
23			✓	61	61	64	64	64	65	61	59	58	53	46	51	54	56	53	49	51	57	59	60	61	63	63	62	58	1	5	04	66	10 31	43	23
24			✓	67	65	65	65	66	67	65	65	62	59	54	53	53	52	55	57	54	58	59	61	63	63	65	63	61	1	0	38	69	12 54	50	19
25				64	66	65	67	67	67	66	(64)	58	50	42	39	43	45	44	46	49	56	60	60	63	64	66	66	57	0	5	10	68	11 00	39	29
26				66	66	66	67	67	66	66	65	65	63	62	64	68	72	75	74	71	69	64	63	63	63	64	64	66	0	15	10	76	10 58	61	15
27				64	65	64	66	69	67	64	65	67	73	74	75	73	71	67	66	63	61	64	64	65	64	65	65	67	1	12	39	77	17 35	60	17
28				67	67	69	69	69	68	67	67	68	68	70	70	67	66	66	68	66	63	63	65	66	66	69	71	67	1	10	25	72	17 55	61	11
29				70	71	71	73	73	72	72	74	74	64	58	55	55	52	53	52	56	59	64	65	66	67	68	67	65	0	7	20	75	13 10	51	24
30				68	67	68	69	70	71	69	67	61	56	53	54	55	53	51	48	50	54	57	56	58	60	62	63	60	0	5	20	71	15 40	47	24
31				65	66	67	68	68	70	72	73	72	65	60	59	60	65	64	57	57	58	59	64	65	68	67	69	65	0	6	48	73	15 45	55	18
MEANS ALL DAYS				64	64	64	65	66	66	65	65	65	62	60	60	61	61	60	58	57	58	60	61	62	62	63	63	62							20
MEANS TEN DAYS ✲				63	63	63	63	64	65	64	63	62	60	59	58	58	60	58	55	54	56	60	61	61	61	62	62	61							21
MEANS FIVE DAYS † (G. M. T.)				63	63	63	64	65	65	63	60	59	58	59	59	61	65	62	56	53	55	60 60	61 61	61	61	62	62	61							
MEANS FIVE DAYS ‡ (G. M. T.)				63	64	65	66	66	67	66	65	64	62	59	60	59	55	54	53	53	56	59	62	63	61	62	62	61							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 457

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1933 — APRIL 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			67	69	69	70	70	70	69	67	62	61	63	66	68	66	68	63	63	64	67	68	69	69	69	70	67	0	24 00	72	9 20	60	12
2				72	71	72	72	74	74	72	69	64	59	58	60	64	61	56	58	59	65	69	71	70	70	71	71	67	0	4 15	75	14 28	56	19
3				73	73	74	75	77	75	75	74	67	60	50	45	45	41	36	38	45	54	62	64	65	64	65	66	61	1	4 26	79	14 59	35	44
4	✓			67	65	67	69	71	68	67	67	65	66	66	66	68	66	61	61	63	65	66	65	67	67	67	68	66	1	4 10	72	14 52	59	13
5	✓			70	69	69	70	70	71	72	69	63	62	59	52	51	(51	49)	52	57	59	60	62	63	63	65	64	62	0	6 45	73	12 00	48	25
6				64	64	64	64	65	65	67	67	65	63	59	57	58	56	52	54	60	64	64	61	62	63	63	63	62	0	6 56	69	14 45	51	18
7				63	65	67	67	68	69	67	62	58	53	50	57	68	66	60	58	59	62	63	62	63	63	63	63	62	1	5 18	70	10 10	47	23
8				66	65	68	68	69	69	70	73	73	70	65	64	65	61	55	51	50	57	63	63	63	64	65	65	64	1	7 54	74	16 35	49	25
9				65	67	69	69	68	70	69	68	68	68	63	64	71	73	65	63	62	63	64	64	65	65	65	65	66	0	13 30	74	11 05	60	14
10	✓			68	68	69	70	69	68	69	71	70	66	64	59	61	66	69	68	67	64	64	64	65	67	68	68	67	0	7 17	72	11 28	58	14
11	✓	✓		68	69	69	70	69	69	68	68	68	69	71	71	76	80	82	76	71	68	67	67	68	68	68	68	70	0	14 29	84	19 05	67	17
12	✓	✓		69	69	70	71	71	70	70	69	67	68	70	68	69	67	67	66	67	66	66	66	68	69	69	69	68	0	3 30	71	15 30	59	12
13	✓	✓		69	70	70	70	71	71	74	80	79	77	73	66	71	64	62	64	65	66	65	68	69	69	69	69	70	0	7 55	81	13 58	62	19
14				69	70	70	71	73	73	74	80	82	82	78	76	74	70	68	65	65	65	65	68	69	70	70	69	72	1	9 10	84	16 20	64	20
15			✓	70	68	71	71	71	70	76	84	83	78	(73	70)	67	59	50	48	49	60	66	68	69	68	69	72	68	1	8 08	86	15 46	46	40
16			✓	68	70	72	72	71	71	73	81	83	82	84	81	81	73	60	58	58	62	63	64	67	71	69	68	71	1	10 05	84	14 58	56	28
17			✓	71	73	73	72	73	73	73	72	76	74	71	74	78	73	67	59	58	63	68	69	69	70	73	72	71	1	9 00	81	15 50	57	24
18				73	71	71	71	72	71	69	65	65	61	60	59	56	55	59	58	57	61	67	69	70	75	70	71	66	1	0 02	77	13 34	55	22
19			✓	73	75	75	73	72	72	76	72	71	69	65	66	66	60	55	52	57	61	64	67	68	69	69	70	67	1	6 26	77	15 35	50	27
20				71	70	71	73	73	74	75	78	77	75	69	64	64	59	56	54	58	63	64	64	66	66	68	69	68	1	7 29	81	15 15	52	29
21				69	71	71	71	72	73	73	71	69	63	60	62	67	67	65	64	63	61	67	69	68	70	71	71	68	1	5 37	74	10 49	58	16
22				71	72	74	75	74	73	75	74	71	64	58	58	54	49	52	54	59	65	68	70	71	71	71	70	66	1	6 49	76	13 25	47	29
23				72	72	71	73	74	74	74	71	68	61	58	61	63	68	67	63	63	65	67	69	70	71	71	72	68	1	4 46	75	10 18	57	18
24				73	73	73	73	74	74	76	78	80	75	68	65	68	66	65	66	68	69	67	69	70	70	70	72	71	0	8 10	80	14 08	64	16
25	✓			72	72	73	73	75	74	74	76	78	74	71	70	78	85	87	82	75	72	71	69	69	69	71	72	74	0	15 01	88	11 12	68	20
26				71	74	73	71	71	73	74	76	77	74	71	67	69	73	73	72	73	71	69	69	70	70	70	69	72	0	7 56	78	11 38	66	12
27				72	73	74	74	74	74	76	81	83	81	75	75	74	74	73	72	71	72	71	72	75	76	76	75	75	0	8 30	83	16 15	71	12
28	✓	✓		76	76	76	77	77	77	79	84	85	82	77	74	74	72	68	66	65	69	71	70	72	73	73	73	74	0	8 01	86	16 10	63	23
29	✓	✓		73	73	74	75	75	74	74	73	74	79	79	78	77	74	69	65	66	70	72	73	74	74	75	75	74	0	9 40	80	15 50	65	15
30			✓	74	74	74	74	74	74	75	72	66	65	71	73	68	65	62	58	60	70	70	73	75	75	74	74	70	1	6 01	76	15 13	58	18
31																																		
MEANS ALL DAYS				70	70	71	71	72	72	72	73	72	69	67	66	67	65	63	61	62	65	66	67	68	69	69	69	68						21
MEANS TEN DAYS ✲				70	70	71	72	72	71	72	72	71	70	69	67	69	69	68	66	66	66	67	67	68	69	69	70	69						17
MEANS FIVE DAYS † (G. M. T.)				71	71	72	73	73	72	73	75	75	75	74	71	73	71	70	67	67	68	68 68	68 69	70	71	71	71	71						
MEANS FIVE DAYS ‡ (G. M. T.)				71	72	73	72	72	72	75	76	76	74	73	73	72	66	59	55	56	63	66	68	70	72	71	71	69						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 458

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

MAY 1933 — MAY 1933

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1			✓	77	77	76	76	77	77	76	75	74	62	59	60	59	72	74	67	66	68	70	70	67	73	72	73	71	2	4 55	78	12 33	53	25
2				73	75	74	74	74	76	78	79	77	74	74	76	75	75	74	68	67	67	70	71	71	72	73	73	73	1	7 32	81	16 42	66	15
3				75	74	74	75	76	76	76	74	69	66	63	57	54	54	56	58	63	68	71	74	75	74	73	71	69	0	6 15	77	12 30	53	24
4				72	75	73	75	77	77	78	78	76	72	71	71	70	65	65	61	63	67	70	70	70	72	73	70	71	1	6 42	79	15 40	60	19
5				72	72	72	74	74	74	75	76	72	67	64	63	64	67	65	62	63	66	70	69	69	70	68	73	69	1	7 11	77	10 47	60	17
6				72	73	74	74	74	75	76	75	69	65	67	69	70	68	61	58	59	64	69	71	72	72	74	74	70	1	6 45	77	15 09	57	20
7				74	74	74	72	74	75	77	73	69	62	57	54	54	52	52	55	58	63	67	67	68	69	69	69	66	0	6 29	82	14 06	51	31
8	✓			69	70	69	70	71	72	72	76	75	70	65	68	77	84	78	67	58	61	65	66	67	67	68	69	70	0	13 35	85	17 00	57	28
9	✓	✓		68	68	69	70	71	71	71	71	68	66	59	59	62	70	74	70	65	65	66	67	67	70	69	69	68	0	14 55	75	10 53	56	19
10	✓	✓		69	69	69	70	70	70	73	74	72	70	66	70	71	64	59	58	59	61	64	64	65	66	67	67	67	0	6 45	75	15 30	56	19
11	✓			69	70	70	70	72	72	74	77	74	70	66	62	62	64	61	60	60	62	64	68	68	69	67	67	67	0	7 18	78	15 01	58	20
12		✓		68	70	70	72	72	72	73	72	71	66	63	68	71	67	64	63	62	65	68	69	70	69	68	68	68	0	6 30	74	16 19	61	13
13				70	70	72	71	72	72	73	76	75	73	70	64	65	65	64	63	67	68	70	68	73	73	72	73	70	0	7 52	77	15 08	62	15
14				73	74	74	74	73	73	76	80	78	75	72	69	72	68	69	66	61	67	71	71	73	74	72	70	72	0	7 30	81	16 12	59	22
15				71	76	76	77	76	77	78	78	74	70	63	64	70	71	70	64	64	68	71	74	76	76	76	75	72	1	7 10	79	10 55	62	17
16				75	75	75	76	76	79	78	72	63	54	51	51	56	62	66	63	62	66	70	74	75	75	76	76	69	0	6 30	80	11 10	48	32
17				74	76	76	76	76	77	78	81	78	74	71	70	66	(62)	65	66	66	68	72	73	77	78	77	74	73	1	7 57	82	[13 —	60	22]
18			✓	76	76	80	78	79	81	79	75	68	62	59	59	59	59	65	64	67	71	75	73	77	77	77	78	71	1	5 15	83	11 28	58	25
19				78	78	78	77	77	77	78	78	73	67	62	62	66	68	67	65	68	72	77	76	76	76	77	77	73	0	6 52	79	10 58	57	22
20	✓			77	77	79	80	81	81	82	78	70	67	64	62	64	71	75	75	72	74	76	76	77	79	78	78	75	0	6 29	83	11 28	61	22
21				77	77	79	79	79	79	80	84	83	77	74	78	81	84	84	77	70	70	73	73	74	75	76	76	77	0	7 58	86	16 50	68	18
22				77	77	78	78	76	77	77	73	65	62	63	60	64	72	71	68	66	71	76	74	75	76	76	75	72	0	2 28	79	11 10	59	20
23	✓			75	76	76	76	76	77	78	77	73	67	61	60	67	69	76	74	71	73	75	74	75	77	77	78	73	0	6 35	79	11 31	58	21
24	✓	✓		77	78	78	78	77	78	81	78	70	62	58	60	63	65	67	70	69	70	74	75	76	76	78	78	72	0	6 30	83	10 50	57	26
25	✓			78	78	78	78	78	78	79	77	73	72	68	68	68	68	72	73	71	71	74	73	74	74	75	75	74	0	6 48	80	10 50	67	13
26	✓	✓		74	75	75	75	75	76	78	77	70	69	66	62	59	57	59	60	63	68	71	71	73	74	74	74	70	0	6 59	80	13 20	55	25
27				74	76	76	76	76	76	78	78	78	77	77	78	72	69	71	71	69	68	72	73	74	71	74	75	74	0	6 10	79	13 13	66	13
28	✓			76	76	77	77	77	77	79	79	75	72	70	70	70	72	79	71	68	72	74	73	73	74	75	75	74	1	6 50	80	12 38	69	11
29			✓	75	76	76	76	77	78	78	76	72	69	68	71	69	63	64	63	69	72	72	72	72	74	75	76	72	1	6 38	80	13 30	62	18
30			✓	76	75	75	77	76	77	78	81	78	73	69	66	66	70	70	67	64	68	73	72	73	74	72	71	73	1	7 35	82	11 49	63	19
31			✓	72	73	74	76	76	77	79	82	78	82	83	77	72	65	63	60	61	67	71	73	73	73	71	71	73	1	9 53	89	16 10	58	31
MEANS ALL DAYS				74	74	75	75	75	76	77	77	73	69	66	65	66	67	68	65	65	68	71	71	72	73	73	73	71						21
MEANS TEN DAYS ✻				73	74	74	74	75	75	77	76	72	68	64	64	66	68	70	68	66	68	70	71	72	73	73	73	71						20
MEANS FIVE DAYS † (G. M. T.)				71	72	72	73	73	73	75	74	70	67	62	64	65	65	65	64	64	66	69 69	70 69	70	71	71	72	69						
MEANS FIVE DAYS ‡ (G. M. T.)				75	75	76	77	77	78	78	78	74	70	68	67	65	66	67	64	65	69	72	73	74	75	75	74	72						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 459

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1933 — JUNE 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	73	76	78	76	77	79	79	78	76	75	73	73	73	72	71	71	69	71	72	71	73	73	73	73	74	1	7 52	82	16 37	68	14
2				74	75	75	75	75	77	77	76	74	70	66	63	62	62	64	65	67	71	73	70	72	72	73	73	71	0	6 36	78	13 11	61	17
3				74	74	73	74	75	76	77	76	73	67	66	71	71	71	72	71	67	69	71	74	75	75	75	75	73	0	6 40	79	10 00	65	14
4	✓			75	75	75	75	75	76	76	76	74	76	76	76	70	69	67	65	64	69	73	73	74	75	75	74	73	0	10 34	78	16 04	63	15
5	✓	✓		74	74	74	74	74	74	77	77	77	79	78	80	80	72	60	58	63	70	74	74	74	74	74	74	73	0	9 11	81	15 00	57	24
6	✓	✓		74	74	74	74	74	74	76	81	84	82	82	85	80	70	61	63	65	70	72	72	73	74	74	74	74	0	8 30	86	14 49	60	26
7	✓			74	74	74	74	75	74	76	78	82	86	81	79	79	78	78	75	72	73	75	74	74	75	76	77	76	0	9 35	87	17 05	71	16
8				78	78	77	78	77	79	78	78	75	70	70	70	71	65	58	57	60	68	72	74	72	73	74	74	72	1	7 30	79	15 28	56	23
9				75	76	77	77	77	78	80	79	74	68	66	65	66	66	65	68	69	72	74	75	75	75	74	74	73	1	6 40	80	14 06	64	16
10				74	76	76	76	76	76	76	79	76	73	71	68	71	76	77	72	70	73	78	78	79	78	78	77	75	0	7 30	80	11 30	67	13
11	✓			77	78	76	76	76	76	77	77	75	72	73	74	74	74	75	74	73	74	75	75	76	76	76	76	75	0	6 40	79	9 57	72	7
12				76	76	76	76	76	76	79	78	75	71	72	75	79	79	75	72	70	72	76	75	75	74	70	74	75	0	6 48	81	16 50	69	12
13			✓	78	78	80	79	79	80	82	79	75	68	61	63	67	64	66	67	66	69	75	79	78	82	81	82	74	1	21 46	83	10 33	59	24
14			✓	80	80	81	81	78	79	82	76	69	64	66	69	72	76	74	69	69	75	76	77	79	77	78	78	75	1	6 17	84	9 48	63	21
15				81	81	81	81	80	81	81	76	69	(64	63)	65	72	74	78	76	73	76	78	79	80	81	81	80	76	1	1 20	82	10 22	61	21
16	✓	✓		80	79	79	80	80	81	82	80	76	74	67	65	68	71	72	71	70	74	78	78	81	81	81	81	76	0	6 12	83	11 28	64	19
17	✓			81	80	80	81	81	82	83	86	80	75	69	68	70	71	70	67	68	74	78	78	80	80	80	79	77	0	7 10	87	11 15	66	21
18		✓		79	80	79	80	81	81	82	80	75	72	72	73	73	73	75	74	75	76	79	78	80	80	81	81	77	0	6 58	82	10 20	71	11
19				79	81	82	83	83	85	85	80	74	73	73	81	91	92	85	73	69	74	80	78	78	80	80	82	80	1	13 20	94	16 18	67	27
20			✓	82	82	83	87	85	88	89	87	81	71	65	66	72	69	69	72	73	78	78	78	80	81	82	82	78	1	6 44	90	10 50	63	27
21				80	81	81	81	81	82	83	83	81	77	77	77	78	78	74	(72)	68	72	78	78	79	80	80	81	78	0	7 20	84	16 09	67	17
22	✓			81	81	81	82	83	83	84	84	80	77	79	81	80	83	82	77	73	75	79	79	80	80	80	81	80	0	6 40	85	16 45	72	13
23	✓			81	81	82	82	82	83	84	83	77	71	67	69	74	74	69	72	75	77	80	80	81	81	81	82	78	0	6 40	85	10 55	66	19
24	✓	✓		82	84	84	84	84	85	88	87	80	73	71	67	66	75	79	83	81	79	81	81	81	82	82	81	80	0	6 42	90	12 17	65	25
25				82	83	82	83	83	88	89	87	77	71	72	75	77	74	73	78	78	76	79	80	79	81	82	79	80	1	6 42	91	9 54	69	22
26				82	81	81	82	82	83	84	86	85	83	80	80	80	81	81	80	77	77	78	79	80	80	81	82	81	1	7 35	87	17 05	75	12
27				81	82	82	82	84	85	84	84	82	76	69	66	68	71	69	67	71	72	76	77	79	81	81	82	77	1	4 50	85	11 45	66	19
28			✓	82	82	83	83	83	84	86	86	83	82	81	82	85	85	76	70	74	75	77	81	82	83	81	81	81	1	12 48	87	15 11	69	18
29				82	80	80	79	81	82	82	83	82	79	81	84	81	77	73	67	66	71	76	77	78	78	78	77	78	1	11 14	85	16 05	63	22
30				77	78	78	77	79	79	80	78	72	69	72	71	75	82	84	79	76	76	77	77	78	77	77	77	77	1	14 00	85	9 06	68	17
31																																		
MEANS ALL DAYS				78	79	79	79	79	80	81	81	77	74	72	73	74	74	72	71	70	73	76	77	78	78	78	78	76						18
MEANS TEN DAYS ✲				78	78	78	78	78	79	80	81	78	76	74	74	74	74	71	70	70	74	76	76	77	78	78	78	76						18
MEANS FIVE DAYS † (G. M. T.)				78	78	78	78	79	79	81	81	78	76	74	74	73	72	69	70	71	74	77 77 77	77 77	78	78	78	78	76						
MEANS FIVE DAYS ‡ (G. M. T.)				79	80	81	81	80	82	84	81	77	72	69	71	74	73	71	70	70	74	76	76	77	78	77	78	76						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 460

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				78	77	77	78	79	79	84	79	71	67	72	77	75	70	74	73	65	67	72	73	75	77	78	77	75	1	6 40	85	16 50	61	24
2				78	78	78	79	80	80	80	80	79	75	78	78	80	79	75	69	67	71	74	75	74	77	78	79	77	0	12 50	83	16 18	66	17
3				79	79	79	79	78	77	77	77	73	71	70	73	74	71	65	62	65	72	75	73	76	75	75	76	74	0	0 15	80	15 21	59	21
4				76	77	77	78	78	79	80	78	68	58	55	58	65	65	68	65	62	70	75	74	75	75	76	78	71	0	6 38	81	10 33	54	27
5				75	77	78	78	77	76	77	79	79	80	81	88	95	90	88	76	69	69	71	74	75	76	76	79	78	0	12 38	97	17 22	68	29
6	✓			77	77	78	79	79	78	81	75	66	58	57	65	71	68	72	71	69	72	77	78	78	77	76	78	73	0	6 32	82	10 39	56	26
7	✓			78	78	79	79	79	79	81	78	76	74	70	68	70	71	72	72	71	73	75	75	76	78	78	78	75	0	6 28	82	11 10	67	15
8				79	79	79	79	80	80	80	78	72	65	67	71	66	63	57	63	68	73	74	76	77	81	82	81	74	1	22 58	83	14 40	56	27
9			✓	80	79	82	79	82	83	84	83	77	69	66	69	71	68	70	72	73	74	79	78	80	80	79	80	77	1	7 30	85	10 54	65	20
10				81	81	82	82	82	84	85	84	81	72	68	66	66	61	59	64	70	76	81	81	81	81	82	82	76	0	6 50	88	14 30	58	30
11				82	82	82	83	82	84	87	89	86	75	69	67	75	75	69	66	69	75	78	79	80	81	82	81	78	0	7 01	90	11 20	64	26
12				82	83	83	82	82	82	84	81	75	70	68	69	72	71	68	70	74	78	81	82	83	84	84	84	78	0	23 08	85	14 05	67	18
13	✓	✓		84	82	84	84	85	85	86	85	80	74	68	71	75	78	77	76	81	82	82	82	82	82	82	84	80	0	6 12	87	10 45	66	21
14	✓	✓		83	83	83	84	84	84	85	82	81	73	68	71	79	78	77	77	73	75	80	81	83	82	83	83	80	0	6 28	86	10 50	67	19
15	✓	✓		83	83	84	85	85	85	86	86	83	82	81	85	89	87	81	75	75	79	82	84	85	85	85	84	83	0	6 50	87	15 41	74	13
16	✓			85	85	85	86	86	86	87	85	78	72	71	75	80	80	78	77	75	78	82	85	86	87	87	88	82	0	23 13	89	10 12	69	20
17			✓	88	88	87	89	89	90	89	88	85	80	76	77	73	75	77	74	75	76	81	80	83	84	83	83	82	1	5 52	91	12 55	72	19
18				83	83	84	83	84	85	87	81	75	69	68	71	72	69	71	71	72	76	80	80	81	82	82	82	78	1	6 37	89	13 45	67	22
19				83	83	84	83	83	83	85	84	81	78	77	74	78	80	80	75	73	78	81	82	82	82	83	82	81	0	6 48	87	16 23	72	15
20				82	82	83	83	85	84	87	82	75	65	57	52	47	46	57	62	63	74	80	82	83	83	84	83	73	0	6 30	88	13 10	43	45
21	✓	✓		84	84	84	84	84	85	87	89	86	81	77	74	72	76	75	82	78	80	82	82	82	82	82	82	81	0	7 10	90	12 16	71	19
22	✓			82	82	83	85	87	87	90	90	88	88	86	81	79	80	79	81	77	77	80	80	81	83	84	84	83	0	6 50	92	13 32	75	17
23			✓	84	85	86	86	86	86	87	88	79	81	80	77	83	79	76	78	75	73	82	81	84	83	83	82	82	1	6 40	89	17 23	70	19
24			✓	84	84	86	81	84	87	91	93	92	88	85	91	88	81	78	75	76	79	82	83	84	85	85	85	84	1	7 35	94	15 30	74	20
25				84	84	86	86	86	86	88	87	82	78	74	73	71	70	65	68	75	80	84	83	83	83	83	84	80	0	6 27	89	14 20	64	25
26				84	85	85	86	87	87	90	90	80	72	64	62	60	63	70	76	77	78	81	83	85	86	85	83	79	0	7 00	91	13 00	58	33
27			✓	84	86	86	86	86	86	89	86	87	85	76	80	85	87	83	75	78	81	85	85	84	84	84	84	84	0	6 50	90	15 20	73	17
28				84	85	85	84	86	87	90	90	86	80	78	76	80	79	74	73	75	78	82	83	83	84	84	85	82	0	6 20	91	15 40	72	19
29	✓			85	85	85	86	87	87	88	90	89	88	86	81	79	85	91	90	85	83	84	84	85	85	85	84	86	0	15 08	92	12 28	77	15
30	✓	✓		84	84	84	84	85	86	87	86	86	80	86	88	82	80	78	74	74	77	81	84	83	84	85	84	83	0	11 43	89	15 36	72	17
31				84	85	85	84	86	86	85	82	78	77	77	80	81	77	75	77	80	81	82	84	84	84	84	84	82	0	5 00	87	14 32	74	13
MEANS ALL DAYS				82	82	83	83	83	84	85	84	80	75	73	74	75	74	74	73	73	76	80	80	81	82	82	82	79						22
MEANS TEN DAYS ✲				82	82	83	84	84	84	86	85	81	77	75	76	78	78	78	78	76	78	80	82	82	82	83	83	81						18
MEANS FIVE DAYS † (G. M. T.)				84	83	84	84	85	85	86	86	83	78	76	78	79	80	78	77	76	79	81 81	82 83	83	83	84	84	82						
MEANS FIVE DAYS ‡ (G. M. T.)				84	84	85	84	85	86	88	88	84	81	77	79	80	78	77	75	75	77	82	81	83	84	84	84	82						

JULY 1933

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 461

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

AUGUST 1933

AUGUST 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		84	84	85	85	84	85	86	85	82	80	77	76	73	74	70	67	70	76	81	82	83	83	84	84	80	0	6 45	87	15 05	66	21
2	✓			84	84	83	83	83	83	87	83	75	66	64	62	60	64	63	63	71	74	77	81	82	81	82	82	76	0	6 35	87	12 10	58	29
3	✓			82	83	83	83	83	83	85	84	75	66	63	59	58	62	65	68	68	79	78	81	82	82	82	83	76	0	6 38	87	12 00	57	30
4				83	82	82	83	83	83	83	79	76	78	74	72	81	86	90	86	79	78	82	83	83	83	83	83	81	0	14 40	91	11 05	70	21
5			✓	83	82	82	85	83	89	93	90	77	65	64	66	65	58	67	74	75	76	79	84	84	83	80	85	78	1	6 37	95	13 15	56	39
6			✓	86	85	85	86	86	88	88	85	75	72	73	68	67	65	68	70	71	76	80	81	80	81	82	81	78	1	6 15	89	13 25	64	25
7				85	84	84	85	85	86	89	91	88	82	82	89	87	81	81	85	85	81	82	84	84	84	85	85	85	0	7 15	92	13 40	79	13
8				86	86	87	87	87	88	90	87	83	82	75	70	71	71	71	74	78	78	80	83	84	84	84	84	81	0	6 13	91	11 47	69	22
9	✓	✓		84	84	85	86	87	87	89	87	85	87	88	83	84	89	92	88	83	83	88	88	88	89	88	87	87	0	14 44	94	11 44	82	12
10	✓	✓		87	87	87	87	88	88	90	88	85	79	75	66	66	70	75	78	75	75	83	84	84	85	85	85	81	0	6 13	91	11 54	64	27
11	✓	✓		84	85	85	85	86	88	88	86	81	73	68	69	74	76	74	78	77	83	86	86	86	86	86	86	82	0	6 20	89	10 20	67	22
12	✓			86	86	87	87	88	88	87	84	83	82	82	84	82	80	80	81	78	78	85	84	84	85	85	85	84	0	5 40	94	16 55	78	16
13			✓	85	86	86	87	86	85	87	87	80	77	80	82	81	79	77	79	82	82	86	85	85	84	86	85	83	1	7 30	89	14 25	76	13
14				86	86	85	86	89	89	90	89	81	72	67	68	72	74	71	70	75	79	81	81	82	83	83	84	80	1	6 10	91	10 55	65	26
15				82	83	85	86	86	87	89	90	91	90	(89)	90	87	85	77	70	71	79	83	83	84	84	86	86	84	0	8 20	92	15 28	68	24
16				86	86	86	86	87	88	88	87	84	79	79	81	84	82	77	75	77	81	83	82	83	84	83	82	83	0	6 00	89	15 10	75	14
17				84	83	82	87	86	87	88	83	76	75	71	67	65	71	79	83	79	81	82	82	83	84	84	84	80	1	6 10	90	12 30	63	27
18			✓	84	83	82	84	86	88	89	90	88	85	81	84	85	(85	79)	78	79	77	77	78	79	84	81	80	83	1	7 10	90	18 08	75	15
19				81	80	80	80	84	85	85	81	75	74	75	81	83	83	77	77	76	77	78	78	80	81	80	81	80	0	6 12	88	9 50	73	15
20				81	82	82	83	83	83	85	85	90	93	97	99	100	92	89	80	75	74	78	79	82	82	81	83	85	1	12 30	101	17 40	73	28
21			✓	82	85	84	84	85	85	85	82	82	73	66	63	65	72	77	80	79	79	79	80	82	83	82	83	79	1	5 50	86	11 35	62	24
22				83	83	83	84	84	85	86	85	84	83	82	83	82	77	75	74	74	78	81	81	82	83	83	83	82	0	6 05	87	16 00	73	14
23				83	84	85	85	87	86	88	93	92	89	85	79	71	72	73	74	77	81	81	82	80	81	82	82	82	1	7 45	95	12 28	71	24
24				83	84	85	86	84	87	87	82	76	70	69	73	79	80	80	76	74	77	80	82	82	81	81	80	80	1	6 04	89	11 03	68	21
25				82	83	86	86	86	86	85	86	84	82	81	80	76	78	81	80	79	81	81	83	83	83	86	86	83	1	23 13	88	12 30	75	13
26				84	87	86	86	88	88	88	88	87	84	80	76	75	77	78	80	81	80	82	83	84	84	85	82	83	1	6 30	89	11 56	74	15
27				83	83	84	85	87	87	88	90	89	87	88	86	83	82	78	75	73	76	80	82	83	83	83	82	83	0	7 30	90	16 05	71	19
28				82	83	83	85	86	86	87	94	98	100	100	100	103	95	88	83	75	77	81	83	85	86	85	85	88	0	12 20	104	16 45	74	30
29	✓			86	86	87	87	88	88	86	81	78	75	77	77	78	76	73	71	72	77	80	81	83	84	85	83	81	0	5 30	88	15 40	70	18
30	✓			84	84	85	85	86	86	88	89	86	84	84	88	91	89	79	72	71	77	80	84	84	85	85	84	84	0	12 30	92	16 05	70	22
31	✓	✓		85	85	85	86	86	87	88	84	78	76	71	67	70	70	65	67	73	78	82	82	83	82	81	83	79	0	6 30	89	14 30	63	26
MEANS ALL DAYS				84	84	84	85	86	86	88	86	83	79	78	77	77	77	76	76	76	78	81	82	83	83	83	83	82						21
MEANS TEN DAYS ✲				85	85	85	85	86	86	87	85	81	77	75	73	74	75	74	73	74	78	82	83	84	84	84	84	81						22
MEANS FIVE DAYS (G. M. T.) †				85	85	85	86	86	87	88	86	82	79	76	72	73	76	75	76	76	79	83 84	85 84	85	85	85	85	82						
MEANS FIVE DAYS (G. M. T.) ‡				84	84	84	85	85	87	88	87	80	74	73	73	73	72	74	76	77	78	80	82	83	83	83	84	80						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 462

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1933

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				83	85	85	85	85	86	86	82	79	73	67	66	71	74	69	70	76	82	82	81	82	85	83	84	79	1	6	06	11	20	24
2				84	85	85	88	87	87	87	81	71	61	58	61	68	71	70	71	72	76	80	81	81	82	83	84	77	1	6	15	10	30	33
3	✓	✓		85	87	87	87	87	88	87	85	86	89	90	93	89	78	75	75	79	81	82	83	83	83	84	85	84	0	11	45	14	53	20
4	✓			85	86	87	87	87	89	90	92	92	87	81	81	84	87	87	84	86	85	84	85	85	85	85	86	86	0	7	52	11	10	14
5	✓	✓		87	87	87	88	88	89	88	86	85	83	84	88	89	86	82	79	77	79	84	84	84	84	85	84	85	0	12	15	16	30	15
6	✓	✓		86	86	89	88	90	91	90	88	80	69	64	61	61	59	66	73	80	83	84	84	85	85	85	85	80	0	6	00	13	19	34
7	✓			86	86	88	88	89	88	86	85	86	90	90	92	97	96	86	82	83	85	86	86	87	87	86	86	88	0	13	05	15	12	17
8				86	87	88	90	89	90	91	87	82	75	65	62	67	72	74	70	76	81	83	84	84	86	84	82	81	1	6	19	11	30	31
9			✓	75	77	76	83	91	90	94	95	86	83	74	58	55	63	65	62	68	75	80	83	82	80	84	81	78	1	6	50	12	20	44
10			✓	84	83	84	85	86	86	88	92	93	90	90	88	88	79	69	64	71	79	83	84	85	85	86	85	84	1	8	20	15	05	31
11				87	84	86	85	87	87	89	92	93	88	82	77	76	74	69	73	78	81	82	83	82	82	83	83	83	1	8	00	14	27	27
12				83	84	84	86	87	85	85	87	90	91	91	91	92	90	87	83	80	80	82	84	85	86	87	86	86	1	12	20	16	10	13
13			✓	86	86	87	88	88	90	88	82	75	65	61	63	69	72	70	71	74	76	78	81	84	84	84	84	79	1	5	34	10	53	31
14			✓	85	85	86	86	88	89	92	97	95	86	84	78	73	71	74	78	76	80	84	87	84	82	83	77	83	1	7	55	13	15	28
15			✓	79	83	86	88	88	89	86	83	(83	80)	74	73	78	72	68	64	68	76	81	81	81	82	83	84	80	1	5	30	15	26	27
16				83	84	84	85	87	87	84	78	74	70	65	65	73	75	73	70	71	79	82	83	83	83	82	83	78	1	5	00	11	00	24
17				83	84	86	86	87	87	85	80	79	77	80	83	86	85	79	74	74	77	83	83	79	80	82	85	82	0	5	00	16	35	15
18				85	86	87	87	87	86	84	79	75	74	77	75	75	78	77	77	77	80	83	84	84	84	84	84	81	0	4	15	11	50	15
19				84	85	85	87	87	88	88	89	91	85	81	86	89	93	92	90	88	86	86	85	83	85	84	84	87	0	13	57	10	07	16
20				83	86	87	87	88	89	89	82	70	58	53	52	55	60	65	69	75	79	83	83	82	83	83	83	76	0	5	53	11	54	39
21				83	84	86	86	88	90	90	85	75	67	62	58	53	59	69	79	79	82	83	82	82	80	82	83	78	0	6	12	12	32	39
22	✓			83	85	85	87	87	89	86	88	79	73	72	74	75	75	73	72	75	79	83	83	83	83	85	84	81	0	5	50	10	45	19
23	✓	✓		83	84	85	88	88	88	91	94	93	85	78	78	69	62	58	63	73	78	81	82	81	83	83	85	81	0	7	17	14	15	38
24	✓	✓		85	84	85	87	89	88	93	101	100	97	95	98	93	83	81	79	79	82	83	84	83	84	84	85	88	0	7	27	15	10	24
25				86	86	86	87	87	87	86	87	90	92	93	95	94	96	94	87	85	85	86	88	88	87	87	86	89	1	12	36	17	05	18
26				87	87	87	87	88	89	90	93	92	90	88	88	88	86	81	79	81	85	87	87	87	87	86	83	87	0	7	36	15	00	19
27				86	86	87	87	87	88	88	88	85	84	84	86	87	86	83	79	76	80	85	85	86	86	87	86	85	0	5	10	16	16	14
28				86	87	87	88	88	87	86	83	77	75	75	74	76	76	74	69	75	79	83	83	85	85	86	85	81	1	4	00	15	50	20
29	✓			85	86	86	88	87	86	87	89	90	89	87	83	75	76	78	74	78	81	84	84	86	87	87	86	84	1	8	19	12	53	20
30	✓			87	88	88	88	88	88	88	89	88	86	86	83	78	82	88	90	84	84	84	84	86	87	87	87	86	0	15	17	12	35	14
31																																		
MEANS ALL DAYS				84	85	86	87	88	88	88	87	84	80	78	77	77	77	76	75	77	80	83	84	84	84	84	84	82						24
MEANS TEN DAYS ✲				85	86	87	88	88	88	89	90	88	85	83	83	81	78	77	77	79	82	84	84	84	85	85	85	84						22
MEANS FIVE DAYS (G. M. T.) †				85	86	87	88	88	89	90	91	89	85	82	84	80	74	72	74	78	81	82 83	83 83	83	83	84	85	83						
MEANS FIVE DAYS (G. M. T.) ‡				82	83	84	86	88	89	90	90	86	81	77	72	73	71	69	68	71	77	81	84	84	84	84	82	81						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 463

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1933

OCTOBER 1933

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		87	87	87	87	88	87	86	83	80	74	71	71	69	68	75	79	84	84	85	83	83	83	84	84	81	.0	5 00	88	12 46	67	21
2	✓			85	84	86	86	86	87	87	85	82	81	87	(87	85	82	81)	79	79	79	83	85	84	84	84	84	84	0	11 10	90	16 40	78	12
3	✓			85	87	87	87	87	88	88	89	84	76	78	79	76	78	84	87	84	84	84	83	83	82	83	83	84	0	7 00	89	9 30	74	15
4				83	84	84	85	86	87	85	84	85	84	79	72	64	67	69	73	80	84	83	82	82	79	81	80	80	0	5 10	88	12 20	63	25
5			✓	83	84	86	86	86	85	91	97	93	89	83	72	70	67	66	71	73	79	80	82	82	82	80	82	81	1	7 15	100	13 35	65	35
6				82	83	83	86	86	86	90	92	89	84	81	77	71	74	77	77	78	79	83	84	80	79	80	82	82	0	7 36	94	12 35	70	24
7			✓	82	83	83	85	85	85	88	90	86	83	85	78	65	67	77	83	88	84	84	85	82	82	83	82	82	1	7 06	91	12 57	61	30
8				83	84	85	85	86	90	91	92	88	86	81	76	72	75	78	77	76	80	82	82	80	81	82	79	82	0	7 00	93	12 40	71	22
9			✓	81	81	85	85	87	87	89	93	89	85	86	76	63	62	62	68	77	80	79	82	84	80	83	83	80	1	7 22	95	12 53	61	34
10				84	85	84	85	85	87	91	92	89	84	82	79	71	72	73	76	79	80	81	82	81	83	83	83	82	0	7 07	95	12 55	70	25
11				83	84	85	84	85	85	91	92	92	91	89	81	77	77	71	67	69	74	76	78	81	81	83	81	82	0	7 13	93	15 30	67	26
12				83	82	83	85	86	85	85	79	74	74	74	68	65	66	64	62	65	75	83	84	83	81	83	83	77	0	5 00	86	15 28	61	25
13			✓	83	83	83	84	84	85	86	83	80	79	83	85	82	79	73	67	71	74	77	81	83	82	82	83	80	0	6 35	87	15 50	66	21
14			✓	82	82	84	84	86	87	88	86	80	79	81	77	72	73	72	72	75	78	82	83	84	84	84	84	81	0	6 17	90	15 20	71	19
15				85	85	86	86	86	86	91	94	91	89	90	84	81	78	74	76	79	82	83	84	84	86	85	85	85	0	7 07	96	14 25	73	23
16		✓		85	84	86	87	87	87	84	79	72	69	67	(65)	66	67	62	63	70	78	83	82	81	83	83	83	77	0	5 30	87	14 53	61	26
17				84	84	85	86	86	87	88	87	84	85	88	92	89	83	75	71	72	77	79	81	82	82	81	81	83	0	11 40	92	15 25	70	22
18				81	82	81	83	85	86	86	83	78	77	71	63	62	64	68	68	71	78	82	82	81	82	83	84	78	1	5 40	87	12 00	61	26
19				84	85	85	85	86	87	87	90	90	94	86	78	75	81	84	83	82	82	83	82	84	85	85	85	84	0	9 20	95	12 45	74	21
20				85	85	85	86	87	88	88	94	96	98	96	94	89	88	87	85	86	85	85	85	85	84	84	85	88	0	9 25	98	1 00	85	13
21	✓	✓		84	85	85	87	89	90	93	95	93	95	97	99	95	91	86	84	82	82	83	84	84	85	85	85	88	0	11 42	100	17 00	81	19
22	✓			86	86	87	88	88	89	93	98	93	88	87	79	69	64	66	71	76	82	86	87	86	86	86	86	84	0	7 12	99	13 10	64	35
23	✓			87	86	88	88	89	91	95	99	94	88	84	81	80	81	78	74	78	86	87	88	88	88	87	88	86	0	7 35	101	15 16	74	27
24				87	88	89	89	90	91	96	100	99	95	91	83	79	83	88	86	85	89	88	87	88	88	87	87	89	1	7 30	101	12 28	79	22
25				89	88	89	90	91	93	98	99	98	96	91	90	90	91	91	88	86	86	89	90	90	90	89	89	91	1	7 37	101	17 15	84	17
26				88	89	88	89	91	91	90	90	91	91	87	87	87	92	95	92	88	87	88	88	87	86	87	86	89	0	14 40	96	12 00	84	12
27	✓			87	88	88	89	91	93	96	96	95	94	92	90	91	90	86	78	78	85	88	87	89	89	90	90	89	0	7 05	97	16 00	77	20
28	✓	✓		90	90	89	89	90	92	90	85	79	77	75	73	77	86	84	74	74	80	85	87	86	86	87	87	84	0	5 33	93	10 59	72	21
29	✓	✓		88	88	88	89	89	88	86	84	80	79	77	79	78	80	80	82	86	87	89	89	89	89	89	89	85	0	18 50	90	10 45	76	14
30	✓			89	89	89	89	90	89	90	90	89	91	90	80	76	76	77	75	75	80	85	86	87	87	87	88	85	0	9 20	92	16 10	74	18
31				88	89	88	90	91	90	89	88	88	85	83	78	77	78	79	77	77	80	86	88	88	88	87	87	85	0	4 40	91	12 30	75	16
MEANS ALL DAYS				85	85	86	87	87	88	90	90	87	85	84	80	76	77	77	76	78	81	84	84	84	84	84	84	83						22
MEANS TEN DAYS *				87	87	87	88	89	89	90	90	87	84	84	82	80	80	80	78	80	83	86	86	86	86	86	86	85						20
MEANS FIVE DAYS † (G. M. T.)				87	87	87	88	89	89	88	85	81	79	77	77	77	78	77	76	79	82	85 85	85 85	86	86	87	87	83						
MEANS FIVE DAYS ‡ (G. M. T.)				82	83	84	85	86	86	88	90	86	83	84	78	70	70	70	72	77	79	80	83	82	80	82	81	81						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 464

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

NOVEMBER 1933 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) NOVEMBER 1933

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			87	87	87	89	90	90	92	88	88	87	80	79	78	80	80	82	84	87	87	87	86	86	86	86	86	0	6 37	93	11 22	76	17
2				88	88	88	88	90	92	90	88	85	82	78	72	70	71	74	79	84	87	88	88	88	87	87	87	84	0	5 25	93	12 17	70	23
3				88	87	88	89	90	89	86	83	81	81	80	81	79	76	81	81	84	87	88	88	87	85	86	87	85	0	4 25	91	13 12	75	16
4				87	87	87	88	90	88	83	80	80	78	77	78	79	83	81	82	87	89	88	88	88	88	88	87	85	0	5 12	91	9 46	75	16
5				87	88	88	89	90	89	92	90	93	93	93	92	97	96	95	93	96	93	91	90	87	87	85	87	91	0	12 37	98	22 05	85	13
6			✓	86	84	85	89	92	91	89	87	90	85	87	93	87	90	84	75	74	80	85	85	85	85	86	85	86	1	11 09	98	16 20	72	26
7			✓	87	87	86	87	91	91	96	102	103	99	99	92	87	83	78	69	72	75	81	86	87	86	86	87	87	1	8 27	106	15 15	67	39
8			✓	87	86	87	87	89	89	91	93	95	96	97	92	88	80	77	76	78	82	88	88	87	87	87	86	87	1	9 50	100	15 50	76	24
9				86	86	87	88	90	87	91	97	102	100	100	99	89	88	86	84	87	88	90	91	89	88	88	87	90	0	8 32	103	15 02	82	21
10				87	87	88	90	90	87	84	85	87	86	89	91	90	84	78	77	81	84	89	89	87	86	88	87	86	0	11 40	91	15 10	76	15
11			✓	88	88	88	89	90	89	88	92	93	92	92	86	80	78	80	82	87	87	90	91	91	89	88	89	88	1	8 18	94	13 20	78	16
12				89	89	89	90	91	89	95	99	103	106	112	111	99	87	67	63	76	83	84	87	88	89	89	88	90	0	11 05	115	15 13	61	54
13	✓			88	88	89	89	89	88	88	90	94	97	99	99	92	93	92	85	84	86	89	90	90	90	89	89	90	0	10 20	100	16 20	83	17
14	✓	✓		87	85	87	89	90	90	92	94	96	97	107	113	112	110	106	94	87	87	90	89	89	88	87	88	94	0	11 30	116	1 10	85	31
15	✓	✓		88	88	88	90	90	87	89	91	94	93	90	86	84	(86	84)	79	77	81	85	84	84	83	82	83	86	0	8 20	95	16 08	76	19
16	✓			85	84	84	85	85	82	85	88	97	98	98	97	90	84	83	78	77	80	83	84	84	84	84	85	86	0	10 25	99	16 40	76	23
17	✓	✓		85	86	87	87	86	83	88	92	96	101	105	105	96	93	90	89	87	86	88	86	85	85	85	87	90	0	11 30	106	5 30	82	24
18				85	84	85	86	89	85	87	93	99	97	101	103	103	109	109	99	87	84	85	86	86	85	85	85	92	0	14 23	111	17 24	83	28
19				85	85	87	88	89	86	90	100	109	109	109	107	96	95	89	89	82	80	83	84	86	84	84	85	91	0	9 05	111	17 02	79	32
20				86	87	87	88	88	85	88	94	102	100	96	95	90	88	84	79	78	83	88	85	86	86	86	87	88	0	8 11	103	16 43	77	26
21				87	87	87	88	88	86	86	92	95	94	97	98	90	86	83	84	84	86	88	88	89	87	87	87	88	1	11 10	100	14 32	81	19
22				86	86	87	87	88	87	86	86	89	89	94	96	96	91	85	80	80	84	87	88	88	87	86	85	87	0	11 22	98	16 38	80	18
23				85	87	87	87	87	87	84	88	89	88	89	88	84	82	79	78	79	85	89	90	89	88	88	87	86	0	10 30	91	15 12	77	14
24	✓	✓		87	87	87	87	87	88	89	89	91	93	97	100	101	97	94	89	84	85	87	88	88	88	87	88	90	0	12 02	102	17 00	83	19
25	✓			87	87	88	88	88	88	92	97	99	100	102	103	94	84	75	72	74	81	87	88	89	88	86	86	88	0	11 10	104	16 38	70	34
26	✓	✓		86	87	87	88	88	87	83	82	84	88	94	96	98	101	98	93	89	89	92	91	91	89	89	89	90	0	13 40	103	7 38	81	22
27			✓	89	89	89	90	90	88	88	91	92	93	99	104	97	90	83	79	80	83	90	89	87	87	87	88	89	1	11 20	105	14 52	78	27
28				87	87	87	88	87	88	88	89	89	89	90	89	89	85	80	76	76	83	89	90	89	87	88	89	87	0	10 30	91	15 53	75	16
29				89	87	89	90	90	89	92	96	99	100	101	110	112	116	108	100	94	91	93	91	90	89	89	89	96	0	13 30	117	1 20	86	31
30	✓			89	90	90	91	92	91	92	95	95	93	96	93	88	86	88	87	81	83	87	88	88	88	88	89	90	0	10 30	97	16 40	80	17
31																																		
MEANS ALL DAYS				87	87	87	88	89	88	89	91	94	93	95	95	91	89	86	82	82	85	88	88	88	87	87	87	88						23
MEANS TEN DAYS ✻				87	87	87	88	88	87	89	91	93	95	97	97	93	91	89	85	82	84	88	88	87	87	86	87	89						22
MEANS FIVE DAYS (G. M. T.) †				87	87	87	88	88	87	88	90	92	94	99	100	98	97	94	89	85	86	88 88	88 88	88	88	87	87	90						
MEANS FIVE DAYS (G. M. T.) ‡				87	87	87	88	90	90	90	93	95	93	95	93	88	84	80	76	78	81	87	88	87	87	87	87	87						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 465

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1933

DECEMBER 1933

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		89	90	90	91	91	89	89	92	90	93	92	91	89	91	98	97	93	91	93	90	88	88	90	89	91	0	14 46	100	12 52	87	13
2				88	88	89	89	91	90	91	94	89	82	80	79	75	74	80	80	82	85	88	90	88	87	87	87	86	0	7 47	95	13 10	73	22
3			✓	87	88	88	89	90	89	88	94	100	92	86	83	83	76	73	76	81	90	92	91	89	86	83	83	87	0	8 20	104	13 52	73	31
4			✓	85	84	85	87	90	88	90	99	104	97	90	92	92	94	100	103	94	90	90	89	88	87	85	85	91	1	14 58	108	0 53	83	25
5			✓	85	86	86	88	90	88	87	88	89	84	88	89	87	96	95	91	85	84	87	86	86	87	86	86	88	1	13 48	97	9 42	81	16
6				86	87	87	89	90	88	91	96	97	92	90	89	88	92	95	93	88	88	89	89	88	87	87	88	90	0	8 20	99	12 27	86	13
7				88	88	89	90	90	89	90	92	95	102	104	106	98	97	97	97	92	90	90	93	90	90	90	90	93	1	11 28	107	5 50	87	20
8				90	89	90	90	91	89	90	93	95	95	102	100	95	94	89	83	84	87	89	91	91	90	90	90	91	0	10 40	103	15 40	82	21
9			✓	90	90	90	90	92	90	89	97	102	99	91	92	96	94	93	85	85	87	89	91	92	88	90	91	91	1	8 27	107	15 45	84	23
10			✓	89	89	89	89	89	89	91	99	101	100	101	101	98	98	93	92	90	88	91	93	90	89	88	89	93	1	11 00	105	5 48	87	18
11				88	88	89	90	91	90	91	99	99	96	97	93	92	94	90	82	77	81	89	92	93	92	91	89	91	0	7 47	101	16 30	76	25
12				90	89	90	90	91	90	88	86	86	79	75	73	70	76	85	85	83	88	90	90	90	89	90	90	86	0	18 20	91	12 20	68	23
13				90	90	90	90	92	90	94	98	97	92	92	92	93	90	83	78	77	84	87	89	89	88	87	87	89	0	7 45	99	15 57	76	23
14	✓	✓		89	89	90	89	89	92	89	90	95	93	95	93	88	87	85	83	83	84	89	90	90	90	90	90	89	0	8 34	96	15 25	82	14
15	✓	✓		90	90	90	90	91	90	97	108	113	114	114	111	107	102	97	87	83	85	89	91	90	90	90	91	96	0	9 32	116	16 42	82	34
16	✓			90	90	91	91	91	90	90	95	101	99	101	97	91	92	88	85	82	88	89	90	91	91	91	91	91	0	8 40	102	16 12	80	22
17				89	91	91	91	91	89	86	84	84	85	88	90	92	96	87	81	85	89	94	92	90	88	89	89	89	0	13 30	97	15 39	79	18
18				88	89	90	90	91	89	88	90	92	94	97	(97)	93	83	86	92	85	85	91	89	90	90	89	89	90	0	[10 45	99]	13 32	82	[17]
19				89	89	90	91	90	89	89	95	92	92	97	107	115	110	105	102	93	88	89	92	91	90	91	90	94	0	12 43	116	16 02	85	31
20				90	91	91	92	93	93	94	95	96	95	91	85	84	84	85	87	91	91	91	93	92	91	91	91	91	0	8 10	100	11 40	83	17
21				90	91	92	93	93	91	93	100	104	108	100	96	93	90	96	96	95	93	93	93	91	90	90	89	94	0	9 12	110	12 55	89	21
22				90	91	90	91	93	91	94	104	109	107	102	93	80	78	80	81	84	87	89	91	91	90	91	90	91	0	8 23	110	13 08	77	33
23	✓			90	91	91	92	94	93	94	98	94	88	86	81	79	78	80	84	86	87	88	91	92	92	91	91	89	0	7 30	99	12 10	77	22
24	✓	✓		90	91	90	91	93	94	94	99	95	94	92	87	87	91	89	86	84	85	89	92	93	92	90	89	91	0	7 27	100	17 00	83	17
25				88	89	89	90	91	91	95	102	100	100	102	97	97	96	94	87	84	86	89	90	90	89	89	88	92	0	7 43	103	16 54	83	20
26				88	89	89	91	92	91	92	93	94	95	97	93	87	95	100	93	92	93	93	91	92	92	92	89	92	0	14 30	102	12 38	86	16
27	✓			89	91	91	92	93	93	93	91	87	85	87	77	75	81	87	83	91	92	92	92	92	92	92	92	89	0	5 00	93	12 02	72	21
28				91	91	91	92	93	93	96	101	103	102	103	99	98	98	89	84	86	87	87	91	91	89	89	90	93	0	8 10	105	15 40	83	22
29	✓			91	91	91	91	91	91	91	96	95	92	97	95	90	93	90	84	83	90	92	92	93	93	92	92	92	0	10 59	98	16 30	83	15
30	✓	✓		91	91	92	93	93	93	93	98	105	107	104	93	88	88	89	93	92	91	95	95	94	93	92	91	94	0	8 45	107	12 30	88	19
31	✓			90	90	91	91	92	91	93	96	99	108	111	105	95	90	85	86	89	91	94	92	91	91	92	91	94	0	10 10	111	14 51	82	29
MEANS ALL DAYS				89	89	90	90	91	90	91	96	97	96	95	93	90	90	90	88	86	88	90	91	90	90	90	89	91						21
MEANS TEN DAYS ✲				90	90	91	91	92	92	92	96	97	97	98	93	89	89	89	87	87	88	91	92	91	91	91	91	91						21
MEANS FIVE DAYS † (G. M. T.)				90	90	90	91	91	92	92	97	100	100	99	95	92	92	92	89	87	87	89 91	90 92	90	90	90	90	92						
MEANS FIVE DAYS ‡ (G. M. T.)				87	87	86	89	90	89	89	95	99	94	91	91	91	92	91	89	87	88	90	90	90	88	87	87	90						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 466

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1934

JANUARY 1934

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	191	190	185	182	178	182	175	190	202	205	220	239	238	213	194	193	206	204	203	206	204	201	198	195	200	1	11 58	244	6 25	173	71
2			✓	187	185	187	185	185	183	181	185	193	198	213	223	232	223	207	198	185	184	193	197	201	200	196	193	196	0	12 30	234	6 30	178	56
3				189	190	188	186	184	192	191	194	195	202	213	212	201	206	211	201	196	195	195	202	201	196	193	192	197	0	11 02	220	4 18	183	37
4	✓			191	187	185	186	187	186	180	185	200	210	220	219	213	218	213	203	192	193	194	195	196	196	193	192	197	0	13 52	222	6 35	178	44
5	✓	✓		187	188	189	188	189	187	178	182	193	202	213	213	212	204	195	184	173	181	187	196	197	196	193	191	192	0	10 40	215	16 30	172	43
6	✓	✓		190	187	186	185	184	183	172	180	182	181	184	189	192	197	206	202	191	191	194	199	200	197	192	191	190	0	15 00	209	6 40	171	38
7	✓			187	183	183	182	183	184	180	187	193	209	232	222	212	211	204	190	187	196	202	203	202	201	197	191	197	0	10 50	237	6 25	178	59
8	✓			187	182	181	181	184	184	185	190	196	204	223	232	218	201	193	188	184	190	192	197	199	198	196	192	195	0	11 55	236	3 22	180	56
9	✓	✓		189	183	185	184	184	183	182	191	197	202	203	200	193	192	193	192	192	200	202	201	201	199	198	193	193	0	10 10	206	6 20	181	25
10				191	189	185	185	183	183	182	191	194	201	204	214	214	203	200	197	190	192	194	199	195	200	197	194	195	0	12 23	220	6 10	180	40
11	✓			191	187	184	183	185	183	177	184	182	188	205	208	194	192	192	193	193	199	199	198	196	195	194	192	191	0	10 55	212	6 25	175	37
12	✓	✓		190	187	184	182	183	182	180	187	192	192	201	207	206	202	194	191	192	193	194	199	195	192	192	192	192	0	11 39	211	6 30	178	33
13	✓	✓		190	188	183	182	182	181	176	182	180	183	192	192	191	191	192	197	199	202	198	194	196	193	193	192	190	0	17 30	203	6 00	172	31
14			✓	189	185	183	183	183	182	182	192	209	218	232	225	210	199	191	189	187	192	196	203	204	203	202	198	197	0	10 40	237	6 05	179	58
15				192	191	188	186	184	176	165	174	191	(212)	232	234	220	211	212	211	202	195	195	200	202	202	201	199	199	0	11 34	237	6 25	163	74
16				190	188	182	181	183	182	172	176	189	208	224	238	227	201	180	172	173	182	190	195	193	194	192	191	192	0	11 23	241	15 44	170	71
17				191	190	190	189	187	185	186	200	211	221	233	232	212	199	197	197	193	197	196	201	202	197	195	193	200	0	11 15	236	6 15	182	54
18			✓	189	185	181	181	182	181	174	182	198	212	232	233	231	223	206	193	191	190	192	199	197	197	194	192	197	0	10 52	237	6 29	169	68
19				190	188	181	183	185	186	179	176	184	197	202	206	202	201	209	207	198	195	190	191	192	192	193	193	192	0	14 45	212	7 36	175	37
20				191	190	185	183	181	187	181	187	197	204	208	208	203	195	188	179	171	181	190	195	199	196	193	190	191	0	11 07	209	16 35	170	39
21				188	188	186	183	184	189	177	176	182	192	203	208	203	202	199	200	196	193	191	190	192	192	191	191	192	0	11 29	212	6 42	172	40
22				190	188	184	183	184	184	183	194	209	219	228	232	215	199	186	174	171	181	191	199	201	202	202	190	195	1	11 31	234	16 07	169	65
23				187	183	182	181	182	181	178	180	187	199	208	202	190	190	190	191	190	195	192	192	193	197	192	191	190	1	11 02	211	6 40	174	37
24				188	185	182	181	184	188	185	193	202	213	216	221	215	209	185	180	182	190	192	198	199	198	193	192	195	0	11 39	226	15 37	176	50
25				189	186	182	183	186	190	184	193	201	218	229	222	215	209	208	200	199	196	191	191	192	193	194	193	198	0	10 40	231	3 12	182	49
26				191	186	186	185	184	182	175	180	189	204	210	209	185	170	177	187	188	191	199	200	200	199	194	195	190	0	10 35	211	13 37	166	45
27	✓			192	191	188	186	187	186	182	196	202	209	219	228	220	210	192	181	180	182	185	190	190	191	191	191	195	0	11 29	229	16 08	178	51
28				190	188	187	187	184	180	170	183	201	200	203	203	202	190	183	181	185	191	199	201	201	194	190	185	191	1	11 10	211	6 35	168	43
29			✓	181	179	177	174	175	174	170	183	192	202	219	220	211	212	200	181	179	182	190	196	196	194	193	189	190	1	10 23	226	6 30	168	58
30				183	181	180	180	180	175	164	176	190	199	212	220	212	184	171	178	189	191	192	191	195	196	192	192	188	1	11 45	224	6 30	161	63
31				189	187	187	185	181	180	170	173	184	201	201	203	194	186	189	186	186	190	193	193	192	191	191	190	188	0	11 27	208	6 30	168	40
MEANS ALL DAYS				189	187	184	183	183	183	178	185	194	203	214	217	209	201	195	191	188	191	194	197	198	197	194	192	194						49
MEANS TEN DAYS *				189	186	185	184	185	184	179	186	192	198	209	211	205	202	197	192	188	193	195	197	197	196	194	192	193						42
MEANS FIVE DAYS † (G. M. T.)				189	187	185	184	184	183	178	184	189	192	199	200	199	197	196	193	189	193	193 195	197 198	197	195	194	192	191						
MEANS FIVE DAYS ‡ (G. M. T.)				187	185	183	181	181	180	176	186	199	207	223	228	224	214	200	191	190	190	195	200	200	196	194	192	196						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 467

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1934

FEBRUARY 1934

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		188	185	182	183	182	181	176	183	198	211	213	210	196	191	191	194	190	190	191	192	194	193	191	190	191	0	10 18	217	6 30	173	44
2				188	183	181	180	180	180	173	183	194	199	202	208	211	211	203	192	183	189	191	192	192	193	191	186	191	0	13 32	219	6 32	171	48
3				188	185	182	181	182	182	177	180	187	199	208	216	211	202	195	193	192	193	192	196	193	193	191	189	192	0	11 20	218	6 40	176	42
4				188	185	184	183	185	184	180	193	202	200	208	220	229	236	220	200	186	179	181	189	191	193	192	192	196	0	13 30	240	17 43	172	68
5				188	187	186	185	184	181	171	182	206	220	222	219	211	202	191	193	187	182	182	188	190	191	190	188	193	0	10 17	225	6 40	170	55
6	✓	✓		187	186	187	186	188	183	177	178	190	200	204	206	201	202	211	211	203	195	190	191	190	190	189	188	193	0	14 58	214	7 00	175	39
7	✓			186	184	184	183	184	186	181	188	200	208	211	219	221	231	239	212	190	179	181	187	188	189	189	188	196	0	14 05	243	17 40	178	65
8				188	186	184	184	186	187	184	200	211	211	209	210	212	206	202	192	181	178	180	190	191	193	191	192	194	1	12 23	220	17 30	174	46
9			✓	192	188	187	185	184	182	168	169	184	201	215	223	201	188	198	210	200	182	188	192	191	190	190	189	192	1	12 00	229	6 50	162	67
10			✓	191	188	184	183	184	175	159	162	177	198	202	206	206	220	205	192	185	184	186	190	188	191	191	192	189	1	13 36	224	6 52	155	69
11				190	189	186	184	183	180	171	183	200	209	204	198	192	191	189	184	191	196	195	198	194	193	191	189	191	0	10 05	211	6 23	170	41
12	✓			186	183	184	184	183	181	170	180	200	202	204	199	192	190	181	175	179	185	191	195	193	191	190	191	188	0	8 54	208	6 26	169	39
13	✓			191	188	185	184	186	181	168	171	187	192	189	190	191	184	185	183	184	188	189	191	192	192	191	189	186	0	9 12	196	6 50	164	32
14	✓	✓		189	185	183	183	184	182	172	173	185	200	214	221	210	204	205	192	185	189	192	192	193	191	190	189	192	0	11 19	223	6 54	169	54
15				186	183	182	183	184	182	172	176	191	(202)	212	213	213	202	207	210	205	202	199	195	194	192	190	189	194	1	[10 13	223]	6 25	169	[54]
16			✓	186	183	183	182	182	181	172	175	188	180	188	197	193	198	202	206	202	203	200	200	200	201	199	199	192	1	15 30	211	6 50	170	41
17			✓	191	188	182	184	186	191	185	184	199	213	226	222	212	198	187	185	189	188	192	196	195	196	196	192	195	1	10 47	232	2 33	180	52
18			✓	190	191	186	185	186	184	179	180	193	209	222	228	220	217	211	202	191	185	184	191	192	193	193	191	196	0	11 16	230	6 35	173	57
19				189	187	184	184	184	184	176	171	177	191	208	214	222	221	207	192	184	183	186	191	192	192	189	186	191	0	13 10	227	7 35	168	59
20				186	187	183	182	185	187	178	176	190	207	225	231	228	217	211	204	192	184	182	186	189	189	188	188	195	0	12 05	232	7 13	173	59
21				188	186	183	182	182	181	172	172	184	200	211	212	212	205	200	192	182	180	182	187	192	194	190	188	190	0	10 33	215	7 00	170	45
22	✓			188	185	183	181	182	181	172	174	187	196	202	203	201	192	191	191	182	178	181	185	189	189	188	187	187	0	10 57	205	6 57	170	35
23	✓	✓		189	187	184	183	182	181	173	171	174	177	180	180	179	179	182	178	176	177	183	191	191	190	188	186	182	0	20 10	192	7 44	168	24
24	✓			185	183	182	183	183	182	169	165	166	167	171	180	186	192	186	181	180	182	184	192	193	192	192	190	182	0	13 00	196	7 07	162	34
25				187	185	184	183	181	179	166	169	182	192	202	205	200	201	206	204	194	182	182	189	188	188	187	187	188	0	14 42	209	6 43	163	46
26	✓	✓		189	188	186	185	186	182	174	179	187	200	206	204	202	200	195	189	183	180	184	191	191	189	188	186	189	0	10 15	208	6 43	173	35
27				185	184	183	182	182	181	173	174	185	203	216	213	205	204	205	196	182	174	179	186	188	190	191	190	190	0	10 48	223	6 40	171	52
28				188	186	185	184	184	181	172	172	183	195	202	206	204	198	193	193	184	182	184	191	190	190	189	188	188	0	11 10	210	7 00	167	43
29																																		
30																																		
31																																		
MEANS ALL DAYS				188	186	184	183	184	182	174	177	190	199	206	209	206	203	200	194	188	185	187	191	192	192	191	189	191						48
MEANS TEN DAYS ✲				188	185	184	184	184	182	173	176	187	195	199	201	198	196	197	191	185	184	187	191	191	191	190	188	189						40
MEANS FIVE DAYS † (G. M. T.)				188	186	184	184	184	182	174	177	187	198	203	204	198	195	197	193	187	186	185 188	189 191	190	190	189	188	189						
MEANS FIVE DAYS ‡ (G. M. T.)				190	188	184	184	184	183	173	174	188	200	211	215	206	204	201	199	193	188	190	195	194	194	193	192	193						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[] = APPROXIMATE MAGNETIC STORM

() = INTERPOLATED

[] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 468

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1934

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			185	183	182	182	183	182	173	178	197	206	213	215	212	204	198	187	182	178	183	190	190	188	186	187	190	0	11 26	218	6 40	171	47
2				186	183	182	182	182	182	172	164	165	176	189	196	205	207	206	200	201	194	190	190	193	192	191	189	188	1	13 20	209	8 27	162	47
3	✓			186	185	185	185	185	186	177	174	178	183	189	196	203	207	211	204	198	194	191	192	191	189	188	187	190	0	14 26	213	7 14	173	40
4			✓	186	185	185	185	185	183	176	169	168	172	184	193	193	203	202	199	195	193	194	197	200	197	196	196	189	1	12 57	213	8 12	167	46
5			✓	194	193	194	177	188	185	177	179	189	197	213	225	221	221	213	198	187	183	185	192	191	189	192	194	195	1	11 31	231	3 24	169	62
6				192	193	186	186	184	183	178	177	187	201	207	214	217	208	204	197	187	182	184	191	192	192	193	186	193	0	12 00	223	7 04	174	49
7			✓	190	189	182	185	187	183	178	177	187	193	198	202	203	204	202	199	193	191	191	192	193	193	192	192	192	1	13 04	209	6 40	174	35
8				189	187	185	187	189	190	185	186	192	192	191	195	200	203	199	201	193	184	185	191	190	189	190	186	191	0	13 37	205	17 47	182	23
9				184	184	184	182	184	183	174	173	175	178	186	193	198	201	201	202	197	189	189	191	192	193	190	187	188	0	15 58	205	7 00	171	34
10				185	187	186	190	190	192	187	186	186	192	197	202	204	206	204	199	195	194	192	192	191	192	186	177	192	1	13 22	210	23 56	177	33
11				181	182	182	184	185	186	184	182	183	188	193	203	210	216	207	201	190	185	190	191	190	189	188	186	191	1	13 40	222	0 00	175	47
12	✓	✓		186	188	188	190	191	193	186	182	183	181	181	(181)	188	(193	193)	192	187	185	188	189	190	188	188	187	188	0	12 55	194	10 02	176	18
13	✓	✓		186	185	184	185	186	187	185	186	190	190	187	185	182	184	191	191	183	182	185	186	186	188	188	186	186	0	9 18	193	12 47	180	13
14		✓		184	183	182	183	186	186	176	172	171	174	188	203	207	205	202	201	194	187	185	187	190	194	193	189	188	0	12 30	209	9 00	169	40
15				186	184	185	185	187	186	178	172	169	181	(186)	190	194	195	191	183	184	184	186	188	188	187	189	191	185	0	13 34	196	8 23	164	32
16				186	184	186	183	188	189	179	179	188	195	206	223	231	223	214	205	194	187	186	188	189	190	190	189	195	1	12 16	234	7 03	174	60
17	✓			184	183	184	184	186	185	178	176	176	185	192	196	209	214	203	189	187	186	186	189	188	187	187	187	188	0	13 16	217	8 10	173	44
18	✓			186	185	184	185	187	188	180	184	193	202	205	204	204	204	198	191	190	190	188	188	190	188	188	187	191	0	12 30	207	6 43	178	29
19	✓	✓		186	185	184	185	188	190	186	182	185	192	196	205	213	215	204	191	183	183	185	185	187	187	186	186	190	0	13 16	217	7 43	180	37
20	✓	✓		186	185	185	185	187	186	183	188	196	198	204	212	220	223	214	202	187	183	183	184	184	186	186	185	193	0	13 14	223	6 30	181	42
21				184	183	182	183	185	186	179	169	164	163	174	188	205	210	203	192	187	188	186	186	187	188	186	181	185	0	13 50	212	9 35	157	55
22				181	182	182	184	186	186	182	178	181	183	184	193	198	205	202	196	192	182	184	190	190	192	192	192	188	1	13 17	211	17 34	176	35
23				189	186	186	188	190	188	178	169	167	171	176	181	190	200	200	200	200	196	192	186	186	187	187	186	187	0	13 45	203	8 30	165	38
24				185	184	185	187	190	193	192	194	198	198	195	195	202	197	187	181	177	180	182	183	186	185	189	188	189	0	12 30	204	16 02	175	29
25			✓	186	184	185	187	189	192	184	176	179	175	181	179	191	190	176	173	174	182	188	190	188	188	190	188	184	1	13 00	193	9 37	170	23
26	✓			187	185	185	186	186	187	182	185	190	194	198	206	215	216	208	199	189	183	183	185	187	187	188	189	192	0	12 53	219	6 22	180	39
27	✓			187	186	185	185	185	183	174	165	166	171	180	189	195	194	187	184	185	185	187	187	187	187	187	186	184	0	13 31	199	7 59	164	35
28				185	186	185	186	187	187	182	174	178	184	192	198	200	196	186	184	184	181	185	184	192	193	191	188	187	0	12 44	201	7 12	173	28
29				184	186	186	187	187	187	183	183	189	198	206	212	213	212	204	195	192	187	184	184	185	186	188	187	192	0	12 15	214	7 03	177	37
30				185	185	185	185	186	185	181	181	186	193	194	198	196	193	187	185	181	181	180	182	184	187	186	187	186	0	11 38	201	7 00	177	24
31			✓	187	185	186	175	183	186	184	182	184	182	182	187	198	197	191	186	182	184	185	184	185	187	188	184	186	1	12 55	205	3 45	167	38
MEANS ALL DAYS				186	185	185	185	187	187	180	178	182	187	192	199	204	205	200	194	189	186	187	188	189	189	189	187	189						37
MEANS TEN DAYS *				186	185	185	185	186	187	180	180	185	190	194	199	204	205	201	193	187	185	186	188	188	188	187	187	189						34
MEANS FIVE DAYS (G. M. T.) †				186	185	185	186	188	188	183	182	185	187	191	197	202	204	201	195	187	184	187 185	188 186	189	188	188	186	189						
MEANS FIVE DAYS (G. M. T.) ‡				189	187	186	182	186	186	180	177	181	184	192	197	201	203	197	191	186	187	189	189	191	190	190	189	189						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 469

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1934

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	184	183	182	185	186	187	191	188	187	185	187	185	186	184	171	172	177	180	184	183	185	187	187	185	184	1	8 24	196	14 48	164	32
2				186	185	186	187	190	194	198	201	204	205	205	203	202	197	197	200	199	192	186	186	186	186	185	183	193	0	9 50	208	1 54	182	26
3				182	183	184	186	188	191	192	195	202	205	210	212	213	204	190	184	181	179	184	187	186	186	185	184	191	0	12 00	215	17 14	176	39
4			✓	185	184	184	186	187	187	183	186	188	198	212	222	218	214	195	185	172	180	185	187	189	186	187	188	191	0	11 28	224	16 43	165	59
5			✓	186	184	186	190	191	188	179	178	188	197	215	219	221	216	204	196	190	188	187	187	188	188	186	185	193	1	12 18	226	7 03	174	52
6			✓	183	182	184	188	193	187	182	178	173	173	176	183	187	185	180	181	178	183	185	186	186	186	187	185	183	1	4 24	198	9 06	167	31
7				184	184	185	186	186	188	190	193	201	209	213	212	215	211	199	184	177	177	179	181	182	182	183	183	191	0	12 28	217	16 45	175	42
8				183	183	184	185	186	187	184	184	185	196	203	206	213	209	203	195	187	183	184	184	184	185	185	182	190	0	12 32	214	23 57	179	35
9				182	183	184	184	185	187	189	187	190	195	198	201	196	191	190	189	186	184	184	183	183	183	183	182	187	0	11 40	202	0 00	180	22
10	✓			181	181	181	183	184	186	183	179	185	195	198	194	192	185	183	186	187	184	185	183	183	183	184	183	185	0	10 00	200	7 13	177	23
11				182	182	182	183	184	188	189	184	183	183	176	174	174	176	177	184	191	188	184	183	183	183	182	181	182	0	6 15	193	14 00	172	21
12				182	182	183	183	185	190	186	182	175	174	173	178	179	178	183	186	188	183	182	181	182	182	181	182	182	0	6 00	191	10 03	171	20
13	✓	✓		181	182	182	183	188	190	194	190	187	185	179	175	179	178	180	185	185	186	183	182	182	182	181	180	183	0	6 05	198	11 20	173	25
14	✓			179	180	181	185	190	193	194	196	200	201	201	199	196	199	198	190	183	184	184	183	182	183	183	181	189	0	9 04	202	0 57	178	24
15				182	183	184	186	187	189	197	205	208	204	201	193	187	184	184	190	187	184	184	180	181	181	178	175	188	0	8 43	207	23 57	172	35
16			✓	177	181	183	189	189	191	194	202	198	201	(195)	193	185	182	181	186	186	183	185	183	182	181	182	181	187	1	9 42	209	0 00	173	36
17	✓	✓		181	183	184	185	187	191	196	203	204	203	203	198	197	196	196	189	182	181	181	179	180	181	182	182	189	0	10 33	206	19 50	177	29
18		✓		181	182	183	184	185	186	184	186	191	194	201	202	197	192	187	180	173	180	181	179	180	181	181	182	186	0	11 17	204	16 20	171	33
19				182	183	183	183	183	183	181	181	179	182	189	195	195	193	194	194	188	184	181	181	182	183	181	181	185	0	11 53	199	8 07	177	22
20				181	183	183	184	185	186	181	176	179	182	188	196	201	197	196	195	191	184	183	182	182	183	182	182	186	0	12 20	203	7 36	171	32
21	✓			182	182	183	183	183	184	183	178	176	183	189	193	199	209	204	198	190	183	181	180	180	180	180	180	186	0	13 28	213	8 00	175	38
22				181	180	180	181	184	186	187	184	179	176	179	185	191	194	198	193	180	174	176	179	180	181	182	182	183	0	14 40	199	17 30	172	27
23	✓	✓		181	180	182	183	184	185	181	178	175	170	169	172	179	183	181	186	189	184	180	180	180	181	181	181	180	0	16 15	192	9 40	168	24
24				182	183	184	185	186	187	182	182	182	182	186	193	204	206	202	198	184	177	180	180	180	181	181	182	186	0	13 03	209	17 30	175	34
25				183	182	183	185	186	184	182	180	178	182	185	187	189	192	200	202	194	184	181	181	181	183	184	182	185	0	15 37	203	9 11	175	28
26	✓			183	183	184	185	186	188	186	183	176	172	173	173	175	183	189	188	181	176	177	179	181	181	182	183	181	0	14 35	190	9 32	169	21
27	✓			182	184	185	187	187	189	190	186	185	182	174	169	169	169	175	180	178	178	178	179	180	182	183	183	181	0	8 16	190	12 13	166	24
28	✓			183	183	184	184	187	193	195	191	184	175	169	168	165	173	182	185	185	184	183	180	179	180	181	181	181	0	6 22	196	12 20	164	32
29	✓	✓		182	183	184	185	187	190	198	199	196	197	198	198	199	194	192	187	184	183	180	178	179	180	181	181	188	0	6 47	201	19 07	177	24
30				181	180	181	181	183	188	195	203	210	212	203	194	186	184	183	181	179	179	179	180	181	181	181	180	187	0	9 30	213	18 23	177	36
31																																		
MEANS ALL DAYS				182	182	183	185	186	188	188	188	188	190	192	192	193	192	190	188	184	182	182	182	182	183	183	182	186						31
MEANS TEN DAYS ✻				182	182	183	184	186	189	190	188	187	186	185	184	185	187	188	187	184	182	181	180	181	181	182	182	184						26
MEANS FIVE DAYS † (G. M. T.)				181	182	183	184	186	188	191	191	191	190	190	189	190	189	187	185	183	183	181 181	180 180	181	181	182	182	185						
MEANS FIVE DAYS ‡ (G. M. T.)				18	183	184	188	189	188	186	186	187	191	197	200	199	196	186	184	181	183	185	185	186	186	185	183	188						

APRIL 1934

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 470

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1934 MAY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				180	180	181	183	186	189	193	192	190	191	183	177	179	173	170	173	175	176	178	180	181	182	182	182	182	0	6 47	195	14 23	168	27
2			✓	181	182	183	184	184	184	185	183	181	174	173	174	176	172	174	175	176	177	183	183	183	185	185	184	180	1	6 24	189	13 45	167	22
3			✓	185	185	187	193	196	196	194	195	192	193	191	193	189	185	184	185	181	179	178	183	184	185	184	183	188	1	7 54	202	18 21	176	26
4				183	183	184	184	188	189	189	184	176	180	185	189	196	194	187	183	178	177	176	175	178	179	180	181	183	0	12 33	198	8 44	172	26
5				181	181	183	184	186	190	189	189	188	193	202	203	193	188	189	185	181	177	175	174	175	178	178	180	185	0	11 06	206	18 45	173	33
6	✓			177	179	182	185	186	191	193	192	186	185	182	189	194	194	186	178	172	174	178	180	181	181	181	181	184	0	13 10	196	16 44	171	25
7				181	181	182	182	183	184	185	187	185	184	190	193	187	181	180	175	174	174	175	175	177	181	181	181	182	0	11 35	194	16 29	172	22
8	✓			181	180	182	183	184	185	182	182	183	186	184	190	194	193	192	191	184	177	174	176	177	178	178	179	183	0	12 08	196	18 30	172	24
9				179	182	183	184	186	188	184	175	169	164	168	168	168	172	174	176	176	174	177	177	179	181	182	182	177	0	5 37	191	9 36	163	28
10				184	185	184	185	186	190	195	191	180	172	167	168	165	175	180	180	179	173	177	179	180	182	182	181	180	0	6 16	196	12 10	164	32
11			✓	181	181	183	185	187	193	207	204	189	181	173	166	167	181	192	186	178	157	148	180	177	180	180	182	181	1	6 47	213	18 18	132	81
12			✓	176	175	174	182	187	195	213	223	214	198	184	174	167	168	176	181	181	177	176	181	182	183	184	182	185	1	7 48	224	13 00	164	60
13				180	182	182	183	186	191	197	197	190	185	177	177	185	188	190	190	186	182	183	181	181	182	183	182	185	0	7 00	203	10 53	174	29
14		✓		180	179	180	183	183	184	189	192	186	183	(181)	187	201	201	196	201	194	184	180	180	180	181	181	182	186	0	12 57	202	18 50	176	26
15	✓	✓		182	182	183	184	185	188	194	185	176	169	172	174	179	185	193	195	183	179	180	177	178	179	181	180	182	0	14 49	196	9 36	167	29
16	✓	✓		181	182	183	184	186	190	193	184	174	170	180	194	208	208	202	193	184	176	175	176	177	178	178	179	185	0	13 04	210	9 32	168	42
17				181	182	183	183	184	187	194	193	183	174	173	181	187	195	191	184	177	176	175	175	177	177	176	175	182	0	13 40	198	9 50	170	28
18			✓	174	175	172	169	173	180	185	191	176	168	165	173	181	175	184	184	185	185	183	184	182	184	185	184	179	1	12 25	197	9 39	158	39
19				184	187	188	189	192	196	204	198	194	190	188	203	210	204	193	182	173	174	176	176	177	179	181	182	188	1	12 17	211	17 02	170	41
20				182	183	185	188	187	192	193	206	198	190	182	177	184	186	177	175	175	177	177	179	179	179	180	179	184	0	7 38	209	14 53	172	37
21				179	181	184	184	188	191	196	197	198	194	193	191	193	189	184	180	176	176	172	171	176	178	179	180	185	0	8 25	202	19 00	167	35
22				182	178	179	183	185	189	196	192	185	179	177	181	184	185	185	184	185	182	178	178	177	178	181	182	183	1	6 26	200	1 40	173	27
23				183	183	179	184	187	187	192	194	196	193	193	194	201	207	204	191	179	174	175	174	175	177	178	179	187	0	13 43	209	17 20	172	37
24				181	182	184	185	185	185	185	178	169	162	165	173	190	201	185	176	168	167	170	168	172	175	176	178	178	0	13 20	202	9 50	161	41
25				181	182	182	182	184	186	192	185	171	164	189	180	188	191	190	179	171	170	173	175	178	179	183	181	180	1	6 23	195	9 30	162	33
26	✓			182	183	184	185	185	186	188	194	189	182	179	185	190	195	192	188	185	179	176	177	178	181	182	182	184	0	7 48	196	18 50	175	21
27	✓	✓		181	181	182	182	181	182	186	186	178	170	165	169	167	179	180	176	173	174	175	177	178	179	179	180	178	0	6 53	191	10 48	165	26
28	✓	✓		180	180	180	180	181	185	192	193	188	185	180	180	180	185	187	183	177	175	174	174	175	176	178	177	181	0	6 47	195	18 52	172	23
29	✓			177	178	178	180	180	185	195	196	189	185	176	168	172	176	183	178	173	171	173	175	177	178	178	177	179	0	7 05	199	11 15	167	32
30	✓			179	180	181	182	182	181	183	186	183	176	176	175	178	178	181	180	173	172	173	176	177	178	179	179	179	0	7 39	189	16 54	169	20
31	✓			179	180	181	182	184	185	190	192	189	187	182	178	182	193	194	189	179	176	177	176	177	178	178	178	183	0	13 52	195	11 55	175	20
MEANS ALL DAYS				181	181	182	183	185	188	192	191	185	181	179	181	185	187	186	183	178	176	175	177	178	180	180	180	182						32
MEANS TEN DAYS ✲				180	180	182	183	183	186	190	189	184	180	178	180	184	189	189	185	178	175	176	176	178	179	179	179	182						26
MEANS FIVE DAYS (G. M. T.) †				181	181	182	183	183	186	191	188	180	175	176	181	187	192	192	190	182	178	179 177	178 177	179	180	181	181	183						
MEANS FIVE DAYS (G. M. T.) ‡				179	180	180	183	185	190	197	199	190	183	177	176	176	176	182	182	180	175	174	179	180	181	181	181	182						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 471

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1934

JUNE 1934

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			179	179	180	181	182	184	186	188	188	185	184	186	192	198	191	184	176	175	175	175	176	176	177	178	182	0	13 30	201	17 07	174	27
2	✓	✓		179	179	180	183	186	187	190	191	183	171	163	168	188	189	183	178	171	169	170	174	175	177	179	180	179	0	7 05	196	10 30	160	36
3	✓	✓		180	181	182	184	185	186	186	185	182	176	174	176	197	192	188	187	178	176	173	173	174	176	177	177	181	0	12 47	204	18 43	170	34
4				178	179	180	182	183	183	181	178	174	165	158	170	179	186	189	171	165	165	170	172	175	179	180	179	176	1	14 16	191	10 36	154	37
5			✓	185	186	185	187	189	196	194	191	192	187	183	174	178	190	180	182	183	178	178	175	178	184	185	185	184	1	9 00	201	11 35	168	33
6			✓	185	185	189	190	192	190	194	198	196	190	189	182	183	184	187	184	180	176	170	172	176	177	177	177	184	1	7 03	200	18 51	167	33
7				177	177	178	182	183	181	186	191	192	189	186	187	192	189	193	193	183	175	176	176	177	177	178	179	183	1	8 02	197	17 20	174	23
8				179	179	179	182	184	188	193	195	187	175	165	165	174	181	172	167	162	163	169	174	175	176	175	176	176	0	7 10	198	11 53	157	41
9				182	181	184	184	186	185	188	195	189	183	178	181	183	179	180	172	170	170	176	178	178	179	179	178	181	0	7 14	197	17 00	167	30
10	✓			177	176	177	179	181	180	186	195	197	197	190	189	188	178	174	176	172	175	178	177	176	177	178	178	181	0	8 18	199	14 08	170	29
11			✓	178	178	177	178	179	181	186	188	186	180	169	170	176	179	179	176	173	172	175	178	177	177	182	178	178	1	7 37	194	10 58	164	30
12			✓	183	185	186	186	189	190	203	214	217	207	198	186	177	179	178	175	170	169	174	177	176	179	179	179	186	1	8 29	219	16 10	166	53
13	✓			181	181	181	182	184	187	190	193	194	182	174	176	186	186	187	179	168	168	176	177	177	178	179	179	181	0	8 21	196	17 00	165	31
14				178	179	180	181	183	185	188	195	195	186	183	177	176	176	176	177	174	172	174	179	183	186	186	184	181	1	7 44	204	17 25	169	35
15				181	179	173	177	182	184	188	190	184	(178	179	179)	181	184	180	184	178	176	177	178	178	179	179	179	180	1	7 00	192	2 24	170	22
16				178	179	180	180	183	186	189	191	186	172	174	173	176	177	182	181	179	175	176	177	179	180	182	182	180	0	7 10	193	10 00	168	25
17				182	183	184	185	185	187	189	189	179	169	163	161	169	175	173	173	175	171	173	174	176	178	179	180	177	0	6 52	193	11 42	157	36
18			✓	180	182	185	187	189	193	204	207	191	185	186	185	176	180	178	174	174	172	174	174	175	178	180	180	183	1	6 53	211	16 58	166	45
19				180	181	180	183	186	189	197	197	197	194	189	187	191	193	187	179	172	169	172	174	176	177	178	179	184	0	7 22	200	17 02	168	32
20				178	177	179	183	185	185	182	183	183	176	172	177	177	183	190	184	172	169	173	174	177	178	179	180	179	0	14 33	193	17 24	168	25
21		✓		180	180	181	182	182	181	180	183	183	182	188	191	196	200	195	187	180	177	176	176	176	177	178	179	183	0	13 20	201	18 39	174	27
22	✓	✓		180	180	181	181	183	186	193	196	186	176	173	174	173	179	185	183	180	176	174	175	176	177	178	177	180	0	7 12	197	10 35	171	26
23				178	178	180	181	184	185	184	184	186	187	187	187	193	193	190	186	178	176	173	175	175	176	176	177	182	0	12 12	194	18 05	171	23
24	✓			179	178	177	183	186	186	185	185	180	172	170	171	179	198	197	196	188	178	176	177	177	177	179	179	181	1	13 34	200	10 06	166	34
25	✓			180	181	179	180	182	185	191	201	205	204	199	196	197	190	178	168	168	173	176	178	178	178	179	178	184	0	8 41	207	16 00	166	41
26	✓	✓		178	179	180	181	181	182	188	198	196	195	202	207	208	198	182	174	172	172	175	175	176	177	178	178	185	0	12 38	210	17 10	170	40
27				180	181	182	183	184	185	189	192	186	174	160	160	171	175	181	178	174	174	175	176	177	178	178	177	178	1	7 28	194	11 10	154	40
28				176	178	178	179	180	183	189	202	206	201	196	191	186	191	193	186	177	171	172	178	179	180	178	180	185	1	8 45	207	17 55	170	37
29	✓			180	180	180	180	181	183	188	190	189	188	186	185	179	178	177	169	164	165	169	174	176	176	178	178	179	0	8 07	192	17 10	162	30
30				178	178	179	181	185	188	190	201	200	189	179	181	184	179	178	176	172	166	169	171	175	176	177	176	180	0	7 43	206	17 44	165	41
31																																		
MEANS ALL DAYS				180	180	181	182	184	186	189	193	190	184	180	180	183	185	183	179	174	172	174	175	177	178	179	179	181						33
MEANS TEN DAYS ✲				179	179	180	181	183	185	188	192	190	185	182	183	189	189	184	179	174	173	174	176	176	177	178	178	181						33
MEANS FIVE DAYS † (G. M. T.)				179	180	181	182	183	184	187	191	186	180	180	183	192	192	187	182	176	174	174 174	175 175	176	177	178	179	182						
MEANS FIVE DAYS ‡ (G. M. T.)				182	183	184	186	188	190	196	200	196	190	185	179	178	182	180	178	176	173	174	175	176	179	181	180	183						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 472

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1934

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				180	181	181	182	184	184	189	190	182	180	175	183	180	189	190	187	182	175	172	173	175	177	178	179	181	1	13	49	194	18 50	171	23
2	✓			178	181	183	185	186	188	191	187	181	171	168	175	189	200	198	192	177	169	172	173	174	176	176	177	181	0	13	45	204	9 57	166	38
3			✓	178	180	181	184	186	190	200	213	193	184	182	181	182	181	178	167	164	168	176	174	177	177	179	180	181	1	7	16	244	15 45	162	82
4			✓	180	178	179	181	187	188	186	185	187	184	176	177	181	186	196	196	180	174	176	176	177	178	181	175	182	1	14	56	199	17 52	171	28
5				176	173	174	177	182	187	193	204	200	193	191	188	189	179	178	182	180	174	173	176	179	178	178	179	183	1	7	26	208	1 40	170	38
6				177	178	180	181	183	185	192	205	201	197	197	189	182	184	187	188	180	177	177	176	176	177	177	177	184	1	7	50	208	17 25	173	35
7				178	179	180	181	186	188	193	191	188	185	181	179	181	176	171	176	177	173	176	176	177	177	177	177	180	0	6	38	197	14 56	169	28
8	✓			176	178	180	181	182	186	193	200	199	190	183	179	180	185	186	184	180	174	173	174	176	177	179	178	182	0	7	44	203	19 32	170	33
9				178	178	173	177	179	185	198	208	205	196	187	179	178	182	183	180	174	169	173	175	175	178	178	178	182	0	7	17	209	17 20	168	41
10	✓	✓		177	178	178	180	182	187	196	199	190	181	176	168	169	175	180	181	179	176	175	174	175	177	177	177	179	0	7	02	200	11 57	165	35
11				177	176	177	180	184	189	200	202	197	184	173	172	175	179	180	183	179	172	171	174	175	176	176	177	180	0	7	01	204	18 08	168	36
12	✓			175	177	178	180	183	187	190	196	189	180	178	179	179	178	189	191	186	177	173	171	171	171	173	173	180	0	7	30	198	19 37	170	28
13				172	173	175	177	180	186	191	189	179	169	173	179	180	180	180	184	173	167	169	169	171	173	174	172	176	0	7	07	196	17 40	165	31
14				173	175	177	178	180	182	188	187	178	170	168	171	185	182	179	183	182	172	169	174	177	177	179	178	178	0	6	34	190	9 49	166	24
15				179	181	186	186	185	186	191	199	193	190	187	188	197	198	186	178	169	165	167	170	171	173	177	178	182	0	12	43	200	17 34	164	36
16				180	176	180	182	184	182	182	190	196	190	(189)	179	181	182	189	191	190	176	171	173	174	176	176	176	182	0	8	42	200	18 20	170	30
17				176	177	179	180	183	185	184	182	172	168	172	173	171	167	168	175	178	174	177	177	176	176	176	176	176	0	6	56	187	9 26	163	24
18	✓	✓		176	177	178	179	182	187	193	197	190	181	180	178	178	173	177	182	183	178	173	172	173	174	176	177	180	0	6	57	198	13 50	171	27
19		✓		177	177	178	181	182	181	185	189	190	187	185	183	187	191	196	192	180	172	171	171	173	174	175	176	181	0	14	50	198	17 37	169	29
20	✓			176	177	178	179	180	183	192	192	186	184	179	168	176	180	181	174	171	170	172	173	173	173	176	177	178	0	6	50	196	11 36	165	31
21				178	178	179	179	181	182	187	187	184	185	181	174	170	170	178	174	168	166	167	168	168	172	173	176	176	0	7	02	189	17 06	163	26
22	✓	✓		176	177	178	179	180	182	184	191	191	182	179	184	195	195	189	183	169	164	167	171	171	172	173	174	179	0	12	36	197	17 20	162	35
23	✓	✓		174	175	176	178	180	182	181	180	172	159	154	157	163	168	170	173	175	171	170	170	172	173	174	176	172	0	7	50	183	9 56	152	31
24				175	175	176	179	181	184	193	198	195	180	171	171	173	182	183	189	180	171	170	170	171	171	171	172	178	0	7	30	201	10 57	165	36
25	✓			172	173	176	180	184	184	187	188	183	174	170	170	175	170	171	173	170	170	170	171	173	174	175	177	175	0	7	12	190	13 32	167	23
26				177	177	177	180	183	190	206	210	189	168	160	161	172	171	166	170	172	168	167	169	171	173	172	172	176	0	7	00	217	10 47	158	59
27	✓			174	174	173	180	184	190	193	192	191	183	174	164	167	169	160	166	172	172	171	171	172	173	174	175	176	0	7	00	195	14 30	158	37
28				177	177	177	179	183	189	201	207	200	190	185	181	185	179	181	183	179	167	165	170	171	173	174	174	181	0	7	17	210	17 40	163	47
29			✓	174	175	176	178	179	189	198	200	191	185	177	174	166	157	159	158	164	168	169	170	172	175	176	180	175	0	6	52	204	13 35	154	50
30			✓	174	159	161	164	166	174	174	182	184	187	193	199	193	189	187	182	173	170	172	173	179	181	182	183	178	2	11	15	203	1 33	152	51
31			✓	181	181	181	182	187	190	192	191	187	183	184	182	187	190	191	190	187	182	175	176	180	177	179	179	184	1	6	44	198	11 13	171	27
MEANS ALL DAYS				176	176	178	180	182	186	191	195	189	182	178	177	180	180	181	181	177	172	172	173	174	175	176	177	179							35
MEANS TEN DAYS ✻				175	177	178	180	182	186	190	192	187	178	174	172	177	179	180	180	176	172	172	172	173	174	175	176	178							32
MEANS FIVE DAYS † (G. M. T.)				176	177	178	179	181	184	188	191	187	178	175	174	178	180	182	182	177	172	171 171	173 172	173	174	175	176	178							
MEANS FIVE DAYS ‡ (G. M. T.)				177	175	176	178	181	186	190	194	188	185	182	183	182	181	182	179	174	172	174	172	175	176	177	179	180							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 173

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1934 — AUGUST 1934

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				176	179	174	173	160	180	185	180	173	169	171	174	173	184	191	184	180	174	175	178	178	177	177	178	178	1	6 43	193	9 50	164	29
2				178	178	175	173	181	185	193	199	198	192	192	199	205	206	197	183	172	170	171	174	174	175	176	172	184	1	13 20	210	17 05	168	42
3			✓	171	177	178	181	182	185	186	173	161	160	161	170	180	177	179	182	183	181	177	178	182	181	179	177	177	1	5 56	192	9 36	154	38
4			✓	171	168	170	176	180	187	193	202	198	192	189	184	184	190	198	200	188	180	178	182	183	181	180	180	185	1	7 45	207	1 48	164	43
5				177	179	179	180	182	185	199	204	194	188	184	184	193	202	194	179	172	172	174	175	178	176	177	178	184	1	7 17	209	16 55	170	39
6				177	176	176	171	178	184	190	191	185	180	174	177	189	194	200	202	190	177	174	175	175	175	176	177	182	1	15 06	204	3 30	164	40
7	✓			174	174	175	176	175	179	192	195	185	172	165	167	171	175	179	183	176	172	174	172	173	174	176	175	176	0	7 03	198	10 55	162	36
8	✓			175	174	175	179	179	182	190	191	186	182	182	174	174	180	182	183	180	173	175	174	174	175	178	178	179	0	7 04	195	11 36	170	25
9	✓	✓		174	174	175	177	180	182	192	197	184	170	162	164	174	182	183	181	179	172	175	175	177	178	179	180	178	0	7 17	198	10 24	159	39
10		✓		177	174	171	174	178	182	189	190	181	174	178	183	186	184	186	189	182	174	171	173	174	176	175	174	179	0	7 15	191	2 52	168	23
11	✓			173	171	174	178	182	187	193	195	184	171	164	171	183	185	175	166	162	165	170	172	173	173	174	176	176	0	7 03	200	16 20	160	40
12				175	175	177	179	181	184	193	200	194	189	183	183	187	190	185	172	163	163	169	182	181	179	178	178	181	1	7 00	202	16 31	158	44
13				177	178	180	186	188	190	196	200	197	190	176	180	175	174	175	173	170	165	169	173	174	176	177	178	180	1	7 20	202	17 30	163	39
14				177	177	179	180	183	187	197	208	202	188	172	164	163	174	180	178	174	173	172	174	175	175	177	178	179	1	8 03	211	12 00	160	51
15	✓			176	172	172	175	181	187	199	208	200	188	176	175	174	171	171	171	168	167	171	172	174	177	178	177	178	0	7 30	210	16 20	165	45
16	✓			177	178	179	180	182	184	190	192	189	(186	191	190)	183	179	174	173	173	173	174	172	174	174	176	177	180	0	6 47	194	15 58	169	25
17				177	174	176	179	181	182	192	198	192	192	192	184	173	169	172	179	185	179	173	173	172	174	173	172	180	1	9 58	200	13 00	167	33
18				172	173	174	179	181	184	192	197	194	190	182	180	180	188	193	184	172	172	174	173	174	174	175	176	181	0	7 40	199	17 00	168	31
19				175	177	178	181	183	189	188	185	180	172	171	174	182	188	176	178	183	177	174	175	175	175	176	176	179	1	5 53	191	11 04	167	24
20	✓	✓		177	177	178	179	180	182	189	181	169	155	147	158	169	181	182	182	180	172	170	171	172	174	174	174	174	0	6 20	191	10 15	144	47
21				172	171	172	179	177	179	180	189	187	182	183	181	187	187	188	185	183	180	178	176	173	174	174	174	180	1	8 00	196	1 06	169	27
22				173	167	169	175	177	180	189	181	173	160	151	158	168	174	180	184	185	179	178	176	177	176	176	174	174	1	6 38	194	10 37	147	47
23	✓			173	174	176	178	181	189	197	194	189	182	178	179	187	197	201	199	184	174	172	171	172	173	173	172	182	0	15 04	201	17 34	170	31
24	✓	✓		172	173	174	177	181	187	196	200	199	196	187	181	174	175	179	173	171	171	172	172	172	173	173	173	179	0	7 38	202	17 10	169	33
25	✓	✓		172	173	174	176	180	184	197	204	206	197	186	171	167	167	170	178	176	171	172	172	173	174	174	174	179	0	7 56	208	12 26	163	45
26				173	174	174	177	181	185	193	198	204	211	196	191	184	187	197	189	178	172	173	178	180	181	179	172	184	1	9 08	218	24 00	166	52
27			✓	166	171	172	178	181	184	198	206	205	199	189	186	191	194	202	201	191	189	192	186	189	187	176	173	188	1	7 53	209	0 24	162	47
28			✓	169	163	164	158	163	171	174	181	190	192	189	183	179	174	172	173	173	174	179	174	173	176	177	171	175	1	8 54	201	3 35	153	48
29			✓	172	169	165	157	159	174	191	200	204	205	198	192	187	181	178	171	172	176	180	176	175	175	174	171	179	1	9 21	211	3 40	151	60
30				170	170	167	163	166	175	177	178	181	181	178	176	180	182	184	182	181	180	174	175	177	173	173	172	176	0	9 00	187	3 30	160	27
31				173	175	175	176	180	179	176	171	167	168	170	173	180	191	193	(189)	185	181	181	177	175	176	175	174	178	0	14 08	196	8 10	163	33
MEANS ALL DAYS				174	174	174	176	179	183	191	193	189	183	178	178	180	183	184	182	178	174	175	175	176	176	176	175	179						38
MEANS TEN DAYS ✻				174	174	175	178	180	184	194	196	189	180	174	173	176	179	180	179	175	171	172	172	173	174	176	176	178						37
MEANS FIVE DAYS † (G. M. T.)				174	174	174	177	180	183	193	194	188	178	172	171	174	178	180	181	178	172	174 172	173 173	174	175	176	176	178						
MEANS FIVE DAYS ‡ (G. M. T.)				170	170	170	170	173	180	188	192	192	190	185	183	184	183	186	185	181	180	181	178	180	180	177	173	180						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

TABLE 474

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1934 — SEPTEMBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				174	177	172	179	183	187	190	187	178	178	180	174	174	178	181	182	182	181	180	175	176	177	175	171	179	0	6	43	193	23 59	169	24
2				168	170	172	172	178	178	179	181	186	189	189	186	186	193	198	189	181	177	174	179	179	177	177	176	181	0	14	18	201	0 20	165	36
3				172	170	167	170	168	175	180	180	175	170	161	159	163	171	177	182	183	180	176	177	177	178	173	171	173	0	16	20	187	11 20	157	30
4				172	173	175	176	179	182	193	190	191	186	176	162	160	164	164	164	167	170	174	175	175	176	173	172	175	0	6	30	200	12 30	156	44
5	✓			171	171	172	173	177	186	199	199	190	180	180	181	186	186	180	176	171	171	172	172	172	173	173	172	178	0	7	07	202	17 40	169	33
6				172	172	172	173	176	182	197	199	191	177	167	166	171	171	171	170	171	170	178	182	181	180	176	177	177	0	7	10	202	11 33	161	41
7	✓			173	173	175	176	177	181	199	201	195	185	179	171	173	184	187	178	173	176	177	177	176	174	175	173	180	0	6	50	206	12 06	167	39
8	✓			172	171	171	173	178	182	189	177	162	158	152	148	157	170	177	177	179	177	173	173	172	172	173	172	171	1	6	13	194	11 53	141	53
9	✓	✓		171	173	177	178	182	186	189	182	171	160	152	155	164	177	171	168	171	171	171	172	173	173	173	174	172	0	6	10	192	10 30	150	42
10	✓	✓		172	173	176	177	178	181	187	186	182	175	169	172	190	197	191	178	166	162	168	171	172	172	173	173	177	0	13	25	199	17 27	160	39
11				174	175	177	179	180	182	188	181	169	158	150	152	158	169	169	159	156	158	166	168	170	170	171	171	169	1	6	30	190	10 11	147	43
12	✓			171	171	176	177	182	184	189	187	181	172	169	164	167	170	172	170	169	169	171	172	172	173	176	174	174	0	6	30	194	11 54	160	34
13	✓	✓		174	174	176	177	179	182	186	182	179	177	171	165	174	183	180	172	169	168	170	171	173	173	173	173	175	0	6	13	189	11 17	161	28
14	✓	✓		172	171	172	175	178	180	187	191	190	186	(177 | 171)	171	173	171	172	172	170	171	171	172	172	172	172	175	0	8	13	197	17 30	168	29
15	✓			172	172	172	174	177	181	181	179	173	163	160	162	169	177	184	186	179	172	170	171	172	172	169	169	173	0	15	30	188	10 10	158	30
16				168	169	171	176	179	183	189	184	182	171	164	169	175	179	175	172	171	168	172	175	178	175	174	173	175	1	6	20	195	10 24	160	35
17				171	173	172	173	172	173	170	171	179	179	187	190	197	201	198	182	170	168	170	170	170	170	170	169	177	1	13	30	204	17 20	165	39
18	✓			170	171	172	173	176	176	178	176	173	169	164	168	186	200	197	188	179	171	169	170	171	170	170	170	175	0	13	40	203	10 50	161	42
19				171	169	171	174	176	178	177	174	165	149	149	161	178	188	192	188	184	178	174	178	174	170	171	170	173	1	14	42	195	10 03	143	52
20				170	169	168	170	177	179	172	167	159	157	157	150	171	179	180	181	178	171	171	170	170	171	170	169	170	1	13	15	186	11 26	145	41
21				170	171	171	175	179	181	186	187	181	177	174	177	185	188	180	182	179	175	176	177	177	171	170	170	177	0	7	10	191	23 06	168	23
22				173	174	176	177	179	180	184	181	176	166	158	161	177	184	185	179	170	169	170	172	173	170	170	169	174	1	14	10	187	10 40	154	33
23		✓		168	169	170	172	174	176	180	185	182	175	164	168	186	198	193	185	182	176	174	175	173	173	172	169	177	0	13	40	201	10 27	159	42
24			✓	168	169	172	168	170	173	171	169	162	166	165	170	176	182	179	185	182	190	185	180	179	174	168	158	173	1	17	50	199	23 40	148	51
25			✓	168	166	162	167	176	179	181	184	187	185	178	185	196	195	186	178	182	179	178	175	171	175	177	178	179	1	13	37	202	2 10	157	45
26				175	174	172	173	176	179	190	195	199	197	189	187	190	192	187	179	173	176	178	179	176	174	170	169	181	1	10	22	205	24 00	163	42
27			✓	162	169	166	167	173	178	176	176	178	174	167	165	180	181	182	183	179	176	175	175	175	174	174	173	174	1	12	47	188	0 14	157	31
28				173	169	167	170	175	177	169	164	159	156	156	167	180	186	184	179	178	177	175	172	172	171	170	169	171	0	13	20	188	9 40	151	37
29				170	169	169	169	171	175	175	170	162	152	151	157	166	177	180	185	178	171	174	177	176	175	174	174	171	0	15	30	187	10 07	146	41
30			✓	171	167	163	168	170	168	161	157	151	151	157	171	183	185	181	176	174	174	172	172	174	175	174	171	169	0	14	00	189	9 40	149	40
31																																			
MEANS ALL DAYS				171	171	171	173	176	179	183	181	177	171	167	168	176	183	182	178	175	173	173	174	174	173	173	171	175							38
MEANS TEN DAYS ✲				172	172	174	175	178	182	188	186	180	172	167	166	174	182	181	176	173	171	171	172	172	172	173	172	175							37
MEANS FIVE DAYS † (G. M. T.)				171	172	174	176	178	181	186	185	181	175	167	166	177	186	181	175	172	169	171 171	172 172	173	172	173	172	175							
MEANS FIVE DAYS ‡ (G. M. T.)				167	168	167	168	173	175	174	173	173	173	171	175	184	187	185	182	180	179	177	177	176	175	172	168	175							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 475

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1934

OCTOBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				169	165	164	167	167	169	169	173	177	173	172	183	198	198	187	177	171	173	176	176	174	172	169	169	174	0	13	08	203	1	26	163	40
2				168	167	167	169	169	169	167	170	169	158	157	175	187	189	184	178	175	172	170	169	169	169	168	168	171	0	13	10	193	10	00	151	42
3				168	168	169	169	170	174	173	175	172	176	183	196	205	204	198	188	176	170	169	170	170	170	169	168	177	0	12	50	208	0	36	166	42
4				167	166	167	168	170	170	162	149	139	135	134	143	164	170	176	177	175	174	174	173	173	171	170	169	164	0	15	15	179	9	44	129	50
5	✓			166	165	165	167	170	169	168	167	163	156	156	169	181	188	188	186	178	171	173	174	172	170	169	168	171	1	13	16	193	10	27	151	42
6				165	165	166	167	169	175	177	170	165	156	157	163	167	169	174	177	171	170	171	168	170	170	169	169	168	0	6	09	179	10	02	148	31
7				167	166	166	167	169	171	170	169	170	166	164	171	176	181	177	174	171	172	171	170	170	168	169	168	170	1	13	30	186	10	22	159	27
8	✓	✓		167	165	165	166	167	172	179	183	180	175	172	174	183	183	175	169	167	166	167	169	169	168	168	169	172	0	12	53	186	2	43	162	24
9	✓	✓		167	166	166	167	168	169	170	177	179	178	183	198	205	196	183	177	177	171	168	169	169	169	168	167	175	0	12	10	207	2	00	164	43
10	✓	✓		169	168	166	167	167	169	173	177	175	174	185	189	185	175	174	171	171	171	168	169	168	168	169	169	172	0	11	20	194	2	10	165	29
11				167	166	166	166	167	172	174	179	182	183	189	194	195	190	187	178	167	167	168	168	168	168	167	166	175	0	12	17	198	16	54	164	34
12				165	163	162	162	163	164	160	162	163	160	168	179	179	174	164	159	159	166	173	175	175	171	168	167	167	0	12	12	183	16	06	156	27
13				166	165	163	160	167	170	167	167	165	165	175	185	186	181	176	168	165	167	170	168	168	167	167	166	169	0	12	00	189	3	10	156	33
14				164	162	163	162	164	167	167	176	176	174	176	179	183	184	179	169	165	167	171	173	171	170	170	167	171	0	12	50	186	1	00	158	28
15			✓	165	166	164	161	163	159	158	167	170	(179	195	198)	197	191	183	175	176	172	173	175	175	173	171	169	174	1	[12	16	205]	6	13	155	[50]
16				169	167	167	167	167	167	157	150	145	143	148	165	177	184	186	176	168	167	169	170	169	168	168	167	166	0	13	57	189	9	37	139	50
17	✓			166	164	165	165	167	170	169	174	174	169	169	172	169	165	166	169	167	169	175	175	173	168	167	166	169	1	18	44	177	1	10	161	16
18	✓			164	163	163	164	164	165	161	162	162	165	169	177	183	184	183	173	164	162	167	168	169	167	168	167	168	0	13	30	187	17	03	158	29
19	✓	✓		166	164	164	165	166	166	164	164	164	166	172	175	173	175	174	169	165	166	168	168	168	168	168	168	168	0	13	40	177	6	30	161	16
20			✓	165	164	163	163	163	166	166	167	169	171	167	165	167	168	176	169	162	166	170	172	173	169	168	166	167	0	14	20	178	16	50	157	21
21				163	163	163	160	158	156	155	158	157	160	179	193	181	163	164	157	154	156	165	169	169	169	165	164	164	1	11	18	196	16	21	150	46
22				163	163	163	162	162	162	164	172	176	182	187	192	187	183	183	178	172	164	166	170	171	170	168	167	172	0	11	37	195	5	50	159	36
23				166	164	164	164	164	164	162	164	165	166	164	167	171	170	166	164	161	164	172	175	175	173	170	165	167	0	20	08	178	16	50	157	21
24			✓	157	157	160	154	148	156	156	175	186	196	206	205	192	177	179	177	173	170	175	174	172	168	167	166	173	1	10	55	215	4	28	144	71
25			✓	160	159	158	157	158	162	158	164	169	175	181	184	179	175	176	178	178	174	176	176	174	173	168	165	170	1	11	20	188	4	00	154	34
26			✓	163	162	158	160	162	163	165	168	174	182	185	184	179	175	179	167	160	166	172	172	170	167	165	166	169	0	10	30	188	2	27	155	33
27				164	163	163	159	161	158	148	147	145	147	168	183	193	194	187	168	163	165	170	174	173	169	167	165	166	0	13	40	196	8	02	142	54
28				165	162	164	166	167	168	164	161	164	167	168	178	185	184	184	174	166	165	168	168	169	168	166	165	169	1	13	56	188	7	40	157	31
29	✓	✓		163	161	162	163	163	163	157	156	163	167	172	178	181	186	192	180	166	165	166	169	168	167	166	165	168	0	14	07	195	7	30	153	42
30	✓			164	160	157	158	161	162	156	156	158	164	165	167	173	175	172	165	157	163	167	168	167	166	165	164	164	0	13	43	177	6	40	153	24
31	✓			163	161	162	162	163	162	160	165	169	176	184	192	185	178	177	175	164	164	165	167	167	166	165	164	169	0	11	20	195	6	20	156	39
MEANS ALL DAYS				165	164	164	164	165	166	164	167	167	168	173	180	183	181	179	173	168	168	170	171	171	169	168	167	170								36
MEANS TEN DAYS ✲				166	164	164	164	166	167	166	168	169	169	173	179	182	180	178	173	168	167	166	170	169	168	167	167	170								30
MEANS FIVE DAYS † (G. M. T.)				166	165	165	166	166	168	169	171	172	172	177	183	185	183	180	173	169	168	168 169 / 167 169		169	168	168	167	171								
MEANS FIVE DAYS ‡ (G. M. T.)				162	162	161	159	159	161	161	168	174	181	187	187	183	177	179	173	170	170	173	173	172	170	169	166	171								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 476

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1934

NOVEMBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		164	160	159	159	160	158	151	151	150	153	159	168	177	186	188	171	158	163	166	169	170	170	168	167	164	0	14 14	193	7 10	147	46
2	✓			165	164	162	160	162	165	165	167	169	169	179	187	185	175	176	168	162	165	168	170	170	169	168	166	169	0	11 47	192	3 50	158	34
3				162	160	159	158	160	159	154	156	163	175	186	195	195	187	177	170	166	166	167	169	169	168	167	165	169	0	12 16	198	6 27	150	48
4	✓			165	164	163	164	164	158	151	153	158	165	175	180	188	190	188	178	167	163	167	168	168	168	167	166	168	1	14 04	196	7 03	148	48
5				164	161	160	159	159	156	146	146	146	148	159	171	175	180	187	183	175	169	169	173	172	170	168	166	165	1	14 30	189	7 53	141	48
6				163	161	161	162	165	166	161	164	166	169	177	164	189	191	188	179	166	161	168	170	168	167	166	162	170	0	13 35	194	2 10	158	36
7			✓	161	160	158	153	158	159	146	137	144	158	185	196	197	194	196	178	169	173	176	174	173	172	169	165	169	1	12 13	211	8 38	129	82
8			✓	163	163	162	165	161	158	147	152	162	172	187	200	207	200	192	178	169	168	172	175	174	169	169	164	172	1	12 13	212	6 23	144	68
9				160	158	157	156	158	157	157	168	179	187	189	169	184	180	177	172	170	167	170	175	177	175	171	167	171	0	11 50	195	2 40	151	44
10				166	161	160	161	166	160	151	154	165	177	169	195	191	183	172	170	169	169	170	172	172	169	168	166	170	0	11 30	198	6 50	148	50
11				163	159	159	161	162	166	163	168	173	188	199	201	197	190	179	169	162	168	170	176	173	172	170	169	173	0	11 20	206	2 02	157	49
12	✓			166	163	162	163	165	168	166	170	179	186	184	181	178	179	182	179	173	168	170	170	169	168	169	168	172	0	9 20	189	2 20	160	29
13				167	166	165	163	165	163	159	160	167	175	180	185	187	187	186	184	171	170	177	179	178	178	176	169	173	1	15 02	193	7 30	157	36
14				162	162	161	161	162	166	164	162	167	173	181	190	190	191	188	179	168	161	167	170	169	168	168	168	171	0	13 23	193	17 30	158	35
15				169	168	165	166	165	163	151	148	152	(162	173	180)	175	168	170	159	154	164	170	173	172	170	169	167	166	0	[11 57	182]	7 10	143	[39]
16				168	161	161	161	164	167	161	163	169	177	184	189	183	174	178	179	173	170	172	171	170	169	168	166	171	0	10 54	191	2 10	157	34
17				163	161	161	163	169	167	159	159	160	170	183	187	186	182	180	172	171	174	175	173	174	172	170	162	171	0	11 20	190	6 30	155	35
18	✓			160	162	162	162	163	160	156	163	180	191	193	192	189	187	181	173	170	168	173	173	174	173	170	168	173	0	10 12	198	6 10	152	46
19				162	164	163	163	162	158	150	153	162	170	171	172	174	174	170	165	161	163	169	172	171	171	170	167	166	1	12 52	179	6 34	147	32
20	✓	✓		164	161	161	161	160	159	159	163	174	189	192	198	194	188	181	171	163	164	169	172	173	173	172	171	172	0	11 30	201	5 50	154	47
21	✓	✓		171	167	164	164	164	165	166	170	173	174	179	189	190	190	189	180	169	164	170	171	171	169	169	168	173	0	12 17	193	2 40	161	32
22	✓	✓		166	165	165	165	163	158	150	156	173	180	180	181	175	165	164	164	163	162	170	174	173	171	170	170	168	0	11 30	184	6 30	146	38
23	✓			166	164	164	165	165	162	158	163	179	191	200	210	206	194	186	175	167	162	165	170	170	170	170	166	174	0	11 50	213	6 30	154	59
24			✓	164	161	161	161	161	160	155	166	183	202	205	210	212	203	193	177	175	175	176	179	177	174	169	165	178	1	11 07	221	6 16	151	70
25			✓	163	164	163	162	169	165	159	173	189	194	195	199	200	194	190	185	175	171	172	175	175	172	171	166	177	1	12 30	206	6 20	154	52
26				165	163	162	163	164	162	158	165	183	193	200	210	220	215	212	190	175	169	173	175	174	172	172	170	179	0	12 20	223	6 10	154	69
27	✓			165	164	163	163	165	164	163	172	185	192	202	210	210	199	(188)	176	165	165	170	175	175	176	173	172	177	0	11 57	214	2 20	159	55
28			✓	169	165	166	164	167	163	153	159	181	194	212	223	232	212	203	188	174	166	167	174	174	172	173	172	180	1	12 13	245	6 50	149	96
29				172	168	166	167	172	166	158	163	177	193	205	217	208	195	183	171	167	164	165	172	175	173	171	171	177	1	11 17	222	6 54	153	69
30		✓		169	169	169	168	168	164	155	158	170	182	199	209	195	192	187	176	172	170	169	174	174	174	173	169	175	0	11 10	214	6 30	151	63
31																																		
MEANS ALL DAYS				165	163	162	162	164	162	156	160	169	178	187	193	193	188	184	175	168	167	170	173	172	171	170	167	172						50
MEANS TEN DAYS ✲				165	163	162	163	163	162	158	163	172	179	184	190	189	185	182	174	166	164	169	171	171	171	170	168	171						43
MEANS FIVE DAYS † (G. M. T.)				167	164	164	163	163	161	156	160	168	176	182	189	186	184	182	172	165	165	168 169	171 172	171	170	169	168	170						
MEANS FIVE DAYS ‡ (G. M. T.)				164	163	162	161	163	161	152	157	172	184	197	206	210	201	195	181	172	171	173	174	173	172	169	166	175						

DESIGNATIONS AND REMARKS

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TABLE 477

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1934

DECEMBER 1934

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				164	157	158	161	156	158	150	161	173	181	184	204	199	194	191	178	166	165	171	173	173	172	171	166	172	1	11 37	215	6 44	146	69
2				170	166	165	164	163	156	146	148	157	164	187	205	198	185	182	175	171	170	173	175	175	175	174	171	171	1	11 40	211	6 40	143	68
3			✓	164	163	159	161	165	164	156	163	180	198	209	224	223	207	192	183	175	175	194	183	195	194	184	177	183	1	11 50	230	6 00	153	77
4			✓	173	151	154	156	164	153	145	160	173	185	200	206	203	192	188	175	169	166	173	177	179	178	175	172	174	1	12 02	215	1 40	134	81
5				165	161	163	159	162	156	154	163	172	177	184	195	190	173	163	162	163	167	174	180	178	176	174	173	170	1	11 20	202	6 15	148	54
6	✓			171	167	164	164	168	158	148	156	171	184	196	206	200	192	183	178	176	174	174	177	176	175	173	169	175	1	11 40	211	6 30	144	67
7				167	162	163	165	167	164	164	171	178	185	194	196	191	187	182	177	169	167	173	175	174	172	167	165	174	0	11 16	203	5 50	158	45
8	✓			163	162	161	160	165	163	155	164	175	192	194	200	193	180	174	169	163	165	171	174	173	172	171	169	172	0	11 47	205	6 28	151	54
9	✓	✓		165	164	164	164	166	164	157	162	172	182	189	200	197	187	181	174	167	165	173	176	174	172	170	168	173	0	11 30	204	6 30	153	51
10	✓			166	164	163	165	165	162	155	165	188	204	216	223	214	197	186	177	172	167	171	175	174	174	173	171	179	0	11 20	228	6 20	152	76
11				167	165	164	164	165	162	154	163	175	191	194	202	197	192	185	174	172	172	167	171	170	169	169	166	174	1	11 10	211	6 20	151	60
12				165	164	165	166	167	166	159	161	167	177	181	187	194	187	180	179	179	174	174	176	177	176	175	171	174	1	12 40	197	6 40	155	42
13	✓			165	163	161	160	162	161	155	157	165	177	192	193	187	177	168	162	157	157	165	173	174	172	170	169	168	0	11 34	197	6 30	152	45
14				166	165	163	163	163	162	160	165	179	187	192	193	186	182	174	176	169	170	173	175	176	176	174	172	173	0	10 34	200	6 20	155	45
15				170	164	164	162	162	163	155	160	168	174	183	189	185	175	165	164	165	164	170	174	175	173	170	166	169	1	11 40	193	6 52	151	42
16	✓	✓		163	162	162	162	161	156	148	155	171	185	194	196	194	188	185	182	171	169	170	171	171	171	171	170	172	0	11 50	201	6 30	144	57
17	✓	✓		164	164	162	160	160	157	153	163	176	180	185	195	192	182	174	173	165	162	167	172	171	170	168	167	170	0	11 17	200	6 10	149	51
18	✓			164	162	164	163	164	157	148	152	155	171	185	200	203	198	181	170	165	164	172	173	175	172	167	165	170	1	12 55	209	6 25	143	66
19				160	155	154	155	159	156	150	162	175	185	190	192	191	184	164	161	157	161	167	172	171	174	172	171	168	0	10 50	196	6 10	145	51
20				170	164	160	162	164	162	152	152	163	172	191	206	212	204	197	190	175	166	166	173	174	172	170	169	174	0	12 35	215	7 00	146	69
21				168	165	163	160	161	157	150	161	165	177	189	204	210	208	199	185	173	168	169	176	173	167	167	167	174	1	12 30	215	6 30	145	70
22				168	166	161	159	163	162	156	161	174	183	181	182	175	178	175	163	161	162	164	172	173	172	171	170	169	0	9 50	189	6 19	152	37
23		✓		168	165	164	163	165	164	159	164	179	193	209	217	220	214	193	177	162	154	159	168	169	169	171	170	176	0	12 38	223	17 10	152	71
24			✓	166	164	161	161	163	161	151	152	161	169	192	196	193	192	192	173	168	166	166	165	162	164	168	168	170	1	11 04	206	6 54	147	59
25				169	160	154	155	162	160	153	160	173	183	189	187	184	178	178	167	159	159	165	172	172	172	171	169	169	1	10 02	192	6 33	150	42
26				165	164	163	162	163	161	155	171	198	224	240	242	236	223	209	184	165	161	160	169	169	170	170	169	183	0	11 03	246	6 30	152	94
27	✓	✓		167	164	163	162	161	156	144	144	156	168	178	186	186	179	171	169	171	175	173	173	173	173	172	171	168	0	12 34	191	7 00	139	52
28	✓			166	165	164	164	164	165	167	175	182	186	189	189	186	180	169	158	162	164	165	171	170	171	169	170	171	0	12 30	193	15 50	153	40
29			✓	167	162	155	155	155	154	144	149	168	190	210	211	193	179	181	170	168	183	184	193	189	183	179	173	175	2	10 08	220	6 50	139	81
30			✓	161	159	154	154	161	159	156	162	184	185	203	215	204	191	173	165	165	167	171	177	179	177	172	170	174	1	11 26	225	3 13	151	74
31				166	165	164	164	165	164	162	173	187	191	193	203	197	184	179	170	166	170	175	180	180	175	171	163	175	0	11 34	211	6 10	158	53
MEANS ALL DAYS				166	163	161	161	163	160	154	160	173	184	194	201	198	189	181	173	167	167	171	175	175	173	172	169	173						59
MEANS TEN DAYS ✲				165	164	163	162	164	160	153	159	171	183	192	199	195	186	177	171	167	166	170	174	173	172	170	169	172						56
MEANS FIVE DAYS (G. M. T.) †				165	164	163	162	163	159	152	158	171	182	191	199	198	190	181	175	167	165	167 168	172 172	172	172	171	169	172						
MEANS FIVE DAYS (G. M. T.) ‡				166	160	157	157	162	158	150	157	173	185	203	210	203	192	185	173	169	171	178	178	180	178	175	172	175						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 473

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1934 — JANUARY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	611	611	610	620	614	614	633	636	678	686	691	744	676	582	535	541	552	557	582	586	579	582	588	599	613	1	11	15	753	13 59	461	302
2			✓	587	588	588	584	593	599	600	603	623	639	677	684	678	660	631	601	589	585	585	594	596	598	595	595	611	0	10	51	697	18 07	581	116
3				595	591	595	596	600	600	603	610	633	660	683	680	671	642	611	579	574	586	595	599	596	602	600	601	613	0	10	42	690	16 10	572	118
4	✓			602	601	600	600	601	603	610	623	646	680	709	717	697	670	629	606	591	588	601	605	606	607	606	602	625	0	11	50	722	17 02	584	138
5	✓	✓		602	601	602	603	604	607	614	629	662	695	724	720	704	663	617	580	573	589	609	616	614	612	613	613	628	0	10	37	727	16 08	568	159
6	✓	✓		616	617	617	616	614	613	616	626	646	672	694	697	690	661	630	596	586	596	612	615	615	613	611	610	628	0	11	02	702	16 16	582	120
7	✓			610	615	617	620	623	626	636	654	694	734	761	767	736	687	646	610	598	607	611	612	608	606	613	612	646	0	10	53	775	16 17	594	181
8	✓			608	608	610	612	614	619	614	614	625	660	696	713	690	661	625	593	590	596	600	603	599	604	606	607	624	0	11	54	737	15 28	586	151
9	✓	✓		606	605	605	609	615	623	632	647	676	702	712	715	694	671	642	633	622	616	616	616	615	610	605	606	637	0	11	43	724	23 03	603	121
10				606	608	614	617	624	628	631	642	662	684	694	699	681	664	620	605	596	597	602	598	601	605	605	607	629	0	11	29	710	17 11	591	119
11	✓			604	607	612	614	615	618	626	632	649	663	672	675	670	648	626	627	629	621	617	615	613	612	610	617	629	0	9	18	682	0 28	602	80
12	✓	✓		616	616	616	617	617	616	622	638	658	662	660	658	653	646	634	619	610	612	610	608	612	610	611	610	626	0	9	50	667	16 10	607	60
13	✓	✓		611	614	620	622	622	622	635	657	672	687	667	625	593	578	584	603	624	624	621	615	614	614	619	621	624	0	9	49	694	13 30	576	118
14			✓	622	617	609	608	621	624	638	654	678	694	682	659	626	588	548	552	559	570	573	577	580	584	591	595	610	0	9	58	713	14 34	539	174
15				605	605	605	607	615	620	629	640	655	(665)	656	639	626	601	569	572	591	598	591	590	593	592	593	604	611	0	[9	07	670]	14 52	557	[113]
16				606	602	599	600	595	610	628	656	696	722	740	730	694	639	582	560	578	600	610	609	607	605	604	605	628	0	10	12	743	15 00	555	188
17				604	603	604	606	609	609	618	640	679	715	722	708	674	625	590	577	585	601	611	612	614	617	622	622	628	0	9	59	724	15 45	574	150
18			✓	627	629	624	615	613	623	643	650	676	705	723	710	686	661	628	572	574	583	598	603	610	602	596	601	631	0	10	50	737	15 32	562	175
19				605	604	602	604	606	606	606	623	659	692	705	704	685	650	623	609	601	604	607	606	607	609	611	611	627	0	11	32	710	17 04	599	111
20				609	609	609	602	606	607	604	616	652	693	716	719	706	681	644	612	607	611	616	618	615	613	613	611	633	0	11	29	724	6 48	597	127
21				614	614	609	611	613	612	599	592	626	677	711	712	693	664	637	616	606	600	599	605	607	607	609	609	627	0	11	22	719	7 23	589	130
22				607	606	607	608	609	613	617	641	684	724	752	770	757	695	647	634	638	604	596	591	600	609	599	599	642	1	11	53	789	19 50	583	206
23				600	599	600	605	613	618	609	602	620	641	662	659	637	620	606	616	609	600	599	597	594	595	599	601	613	1	10	13	679	20 32	590	89
24				606	605	602	606	608	611	613	623	655	681	699	703	685	674	651	630	616	604	599	601	601	597	598	599	628	0	11	27	715	21 12	595	120
25				601	599	601	607	607	602	601	604	634	661	684	690	673	647	620	601	593	590	599	602	606	609	609	606	619	0	11	42	698	16 50	588	110
26				604	606	609	606	606	611	622	642	671	706	709	704	674	649	639	617	604	602	601	599	600	603	605	601	629	0	9	45	717	19 02	594	123
27	✓			600	599	600	602	604	608	614	626	642	653	650	651	642	628	615	602	586	583	589	597	601	604	604	604	613	0	9	29	664	17 05	580	84
28				602	604	605	605	607	621	644	669	693	692	676	661	635	602	604	618	630	626	612	611	628	627	610	604	629	1	8	50	700	22 24	587	113
29			✓	608	605	609	609	618	630	639	649	673	674	653	640	615	604	599	606	597	610	616	607	612	613	616	622	622	1	10	23	686	14 04	581	105
30				620	610	608	615	615	621	634	651	687	704	710	694	669	630	616	616	618	618	613	613	609	609	608	609	633	1	10	00	717	14 50	596	121
31				610	605	601	609	610	614	621	647	695	731	734	709	654	599	547	553	587	616	621	607	608	603	606	610	625	0	9	54	747	15 08	536	211
MEANS ALL DAYS				607	607	607	608	611	614	621	633	661	686	698	695	673	642	613	599	597	600	604	604	605	606	606	607	625							137
MEANS TEN DAYS ✲				608	608	610	612	613	616	622	635	657	681	694	694	677	651	625	607	601	603	609	610	610	609	610	610	628							121
MEANS FIVE DAYS † (G. M. T.)				610	611	612	613	614	616	624	639	663	684	691	683	667	644	621	606	603	607	607 614	609 614	609	609	609	610	628							
MEANS FIVE DAYS ‡ (G. M. T.)				611	610	608	607	612	618	631	638	666	680	685	687	656	619	588	574	574	581	591	606	608	610	610	611	620							

DESIGNATIONS AND REMARKS

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[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 479

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1934

FEBRUARY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		611	609	609	609	609	612	626	655	693	709	699	663	621	592	588	616	630	625	614	612	618	616	615	613	628	0	10 17	716	14 03	581	135
2				618	620	623	624	625	632	639	651	677	698	689	673	660	652	633	585	572	601	616	614	609	609	608	607	631	0	9 42	707	16 02	566	141
3				606	605	609	614	613	611	614	634	670	719	732	730	704	664	618	594	583	600	609	613	609	602	599	604	632	0	9 48	740	16 04	580	160
4				604	607	605	609	608	610	618	630	676	711	724	704	677	661	630	607	595	588	600	602	605	605	605	603	628	0	10 34	735	17 27	581	154
5				597	602	604	605	605	608	616	625	657	697	725	711	692	648	593	580	572	583	588	591	591	593	597	599	620	0	10 53	735	16 36	566	169
6	✓	✓		598	599	600	600	599	602	600	602	626	649	664	676	672	657	635	613	602	604	601	601	604	609	611	611	618	0	11 47	682	6 45	597	85
7	✓			614	613	609	613	614	616	613	622	637	652	674	671	679	670	671	656	628	607	602	602	603	604	604	604	628	0	12 20	686	20 56	600	86
8				604	605	605	605	604	606	616	622	642	662	679	681	701	685	655	629	609	623	605	572	544	533	538	534	615	1	12 22	727	21 40	513	214
9			✓	545	558	566	579	587	592	588	578	593	596	601	582	496	501	556	596	606	591	588	584	584	587	590	594	577	1	10 17	620	12 48	448	172
10			✓	596	596	595	599	602	596	611	612	636	637	613	637	623	614	587	592	593	597	600	600	600	594	605	594	605	1	9 29	715	14 07	574	141
11				593	592	595	599	599	600	613	634	658	677	684	657	619	585	581	600	608	609	608	603	598	598	600	600	613	0	10 03	696	13 58	574	122
12	✓			603	597	597	599	606	609	619	637	664	688	679	652	618	582	572	591	595	598	588	581	590	597	594	596	610	0	9 40	698	14 14	558	140
13	✓			593	593	601	601	602	605	616	644	685	721	719	685	654	603	562	565	587	594	597	596	595	595	593	591	617	0	10 08	731	14 57	556	175
14	✓	✓		593	593	596	598	599	603	611	633	658	679	681	669	650	614	585	573	587	602	606	597	591	596	601	605	613	0	10 38	684	15 17	567	117
15				607	609	609	611	612	614	635	659	703	(749)	773	726	686	617	588	575	591	615	613	602	597	591	591	593	632	1	[10 13	816]	14 52	562	[254]
16			✓	600	606	603	607	621	629	628	646	691	659	623	571	519	511	488	520	549	581	578	572	572	566	574	581	587	1	8 53	737	14 04	456	281
17			✓	590	584	565	564	570	574	587	607	634	674	692	686	669	642	612	589	566	569	581	588	587	593	588	588	604	1	10 46	709	2 55	558	151
18			✓	590	588	588	595	590	594	588	584	613	662	698	726	702	672	642	616	591	586	587	592	592	593	592	597	616	0	11 51	735	7 28	575	160
19				594	590	594	592	592	588	583	578	599	635	674	676	679	665	641	613	597	592	592	594	598	600	609	611	612	0	10 48	691	7 39	573	118
20				601	596	594	597	602	606	593	585	603	627	655	670	675	657	643	631	613	601	595	595	597	600	598	600	614	0	12 08	686	7 28	579	107
21				600	600	604	599	601	605	600	605	638	670	683	679	671	650	637	626	614	599	590	592	588	589	596	597	618	0	10 32	692	21 27	581	111
22	✓			600	597	598	607	602	608	602	605	620	633	649	656	658	648	638	623	609	603	597	597	597	604	601	603	615	0	12 13	667	18 47	595	72
23	✓	✓		601	601	603	607	611	614	612	617	632	662	672	675	681	656	641	632	627	622	617	615	611	606	606	606	626	0	12 38	689	1 03	599	90
24	✓			608	606	605	605	609	609	603	606	621	640	658	660	642	625	600	608	600	592	594	609	616	611	605	601	614	0	11 30	678	17 07	584	94
25				601	603	603	605	603	600	598	593	622	646	660	661	651	625	610	602	600	598	600	597	597	600	608	608	612	0	10 53	668	7 19	582	86
26	✓	✓		608	606	612	606	607	608	613	625	656	674	676	666	660	633	622	620	624	621	615	614	613	613	613	613	626	0	10 13	678	1 30	603	75
27				614	614	618	618	618	618	610	617	644	681	701	695	671	637	606	593	594	599	598	601	601	603	605	603	623	0	10 47	728	15 33	588	140
28				603	603	604	610	612	612	614	638	678	707	716	705	670	638	608	601	614	619	615	613	612	610	611	612	630	0	10 04	725	15 15	594	131
29																																		
30																																		
31																																		
MEANS ALL DAYS				600	600	600	603	604	606	610	619	647	672	682	673	654	629	609	602	598	601	600	598	597	597	598	599	617						139
MEANS TEN DAYS ✲				603	601	603	604	606	609	612	625	649	671	677	667	654	628	611	610	609	607	603	602	604	605	604	604	619						107
MEANS FIVE DAYS † (G. M. T.)				602	602	604	604	605	608	612	626	653	675	678	670	657	630	614	611	614	615	601 611	598 608	598	599	601	602	620						
MEANS FIVE DAYS ‡ (G. M. T.)				584	586	583	589	594	597	600	605	633	646	645	640	602	588	577	583	581	585	587	584	577	574	576	578	596						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 430

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1934 — MARCH 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓			612	612	611	612	615	617	612	616	647	683	703	699	683	654	621	627	636	625	624	622	617	607	598	597	631	0	11 10	715	23 42	595	120
2				599	600	611	615	613	610	594	596	600	632	678	672	683	686	672	617	578	558	556	570	587	589	591	590	612	1	10 23	703	17 37	550	153
3	✓			592	594	595	598	601	605	596	594	613	649	667	671	669	651	629	615	606	606	606	604	601	601	602	602	615	0	12 27	676	7 03	585	91
4			✓	601	603	605	606	608	612	608	620	654	698	716	733	671	648	591	544	508	551	569	553	560	561	560	578	607	1	11 07	759	16 27	490	269
5			✓	570	566	578	591	586	578	561	563	601	642	670	674	635	583	565	572	573	564	553	561	569	590	579	577	588	1	10 31	710	7 00	550	160
6				579	580	586	591	584	584	589	594	623	650	684	684	676	636	616	600	595	600	600	597	582	590	594	586	608	0	10 49	711	0 00	575	136
7			✓	588	588	595	588	594	601	592	596	640	654	669	661	664	654	640	602	596	581	574	572	570	572	579	584	606	1	10 20	694	20 54	566	128
8				576	582	585	589	589	589	584	590	620	654	678	693	691	675	660	638	608	590	592	595	596	597	592	590	615	0	11 34	701	0 31	575	126
9				589	586	588	596	598	600	599	597	624	647	660	676	681	663	659	640	609	597	595	592	590	585	577	577	614	0	12 37	695	22 35	573	122
10				598	588	591	593	602	596	587	593	619	641	656	668	658	643	629	616	612	607	594	596	595	603	623	609	613	1	11 32	684	7 16	580	104
11				596	605	606	601	601	602	593	593	602	623	653	673	681	683	647	615	595	579	581	577	576	585	596	587	610	1	13 39	701	17 37	573	128
12	✓	✓		587	587	594	594	593	594	602	610	635	661	672	(671)	658	(646	629)	622	617	603	606	608	605	601	601	601	617	0	[10 24	676]	1 21	584	[92]
13	✓	✓		599	600	602	604	608	608	613	633	668	697	707	703	686	660	638	625	618	615	611	611	610	607	603	604	630	0	10 21	713	0 44	597	116
14		✓		603	603	605	607	610	614	612	622	654	683	708	722	709	688	656	625	612	614	608	597	584	572	563	569	627	0	11 31	726	22 39	557	169
15				567	569	577	582	589	592	590	614	641	680	(706)	707	691	659	628	607	602	608	612	612	615	611	608	611	620	0	[10 26	711]	0 28	565	[146]
16				604	604	603	613	608	607	600	617	663	709	740	765	744	694	643	596	584	589	592	589	578	586	592	596	630	1	11 17	774	20 30	571	203
17	✓			598	602	601	604	601	609	605	619	646	690	723	722	708	676	651	626	615	608	599	597	595	596	596	598	629	0	10 27	733	19 10	589	144
18	✓			596	595	606	608	608	608	608	622	664	707	736	731	713	684	652	620	602	596	601	595	604	598	597	598	631	0	11 05	744	19 51	592	152
19	✓	✓		599	598	600	597	601	605	592	590	616	660	684	709	707	684	653	625	613	608	602	598	600	594	589	587	621	0	12 33	715	23 20	585	130
20	✓	✓		588	591	596	599	604	607	604	611	636	664	695	712	714	699	674	651	624	612	608	608	608	611	610	611	631	0	11 55	720	0 36	586	134
21				609	612	613	617	620	622	614	609	627	653	696	713	713	689	673	652	641	634	622	624	619	613	606	602	637	0	11 57	722	24 00	593	129
22				592	600	607	604	604	597	597	603	634	665	673	696	706	678	637	610	580	568	555	555	563	576	580	579	611	1	12 03	736	18 24	550	186
23				590	591	591	595	600	602	589	584	609	638	682	702	701	654	629	612	601	604	610	608	601	601	597	598	616	0	12 17	713	7 32	577	136
24				595	592	600	599	599	601	603	615	644	672	696	709	706	693	676	629	596	598	591	581	534	537	569	581	617	0	11 36	715	21 20	521	194
25			✓	581	586	592	591	596	604	595	575	597	631	665	662	682	656	603	572	561	583	589	594	592	587	589	588	603	1	12 23	691	16 22	555	136
26	✓			589	592	595	598	601	601	598	600	622	656	674	684	676	665	634	615	615	600	586	591	594	589	587	588	615	0	11 21	696	18 29	583	113
27	✓			588	591	595	597	598	599	596	600	635	662	690	699	671	610	574	572	589	608	610	608	604	604	603	601	613	0	11 43	709	14 54	562	147
28				599	600	600	600	606	599	603	626	661	715	737	739	713	665	630	580	562	571	569	553	553	568	582	595	618	0	11 12	745	20 00	543	202
29				586	588	596	600	599	596	601	613	638	676	691	686	658	620	598	599	609	606	593	593	593	589	589	592	613	0	10 08	706	1 16	582	124
30				603	596	596	600	603	605	608	626	666	711	726	718	682	651	602	587	585	593	592	571	582	588	593	589	620	0	10 57	730	19 43	560	170
31			✓	595	606	590	610	596	598	603	613	650	674	679	658	662	638	598	591	588	588	587	591	590	585	585	596	611	1	9 59	690	2 36	576	114
MEANS ALL DAYS				593	594	597	600	601	602	598	605	634	667	691	697	687	661	632	610	598	596	593	591	589	590	591	592	617						144
MEANS TEN DAYS ✲				595	596	600	601	603	605	603	610	638	673	695	700	688	663	636	620	614	608	605	604	604	601	599	599	623						124
MEANS FIVE DAYS (G. M. T.) †				595	596	599	600	603	606	605	613	642	673	693	703	695	675	650	630	617	610	600 607	598 604	599	597	597	595	625						
MEANS FIVE DAYS (G. M. T.) ‡				587	590	592	597	596	599	592	593	628	660	680	678	663	636	599	576	565	573	574	581	572	575	584	587	603						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 481

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

APRIL 1934 — APRIL 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	598	597	596	597	595	588	599	621	659	696	727	701	668	655	586	584	579	586	581	600	590	587	600	590	616	1	10	37 743	19	04 562	181
2				585	591	596	599	600	599	598	622	659	695	713	710	690	644	605	586	589	592	595	593	595	596	596	589	618	0	10	50 719	16	00 581	138
3				589	591	595	596	599	600	603	622	659	706	744	751	718	669	612	584	579	586	592	592	585	585	590	591	622	0	11	20 759	16	36 577	182
4			✓	596	596	597	596	594	598	588	594	635	687	733	741	734	685	622	585	549	548	536	554	572	580	584	582	612	0	12	04 748	18	33 528	220
5			✓	583	583	584	599	599	603	592	581	613	652	664	653	675	648	614	607	598	591	594	585	579	573	576	589	606	1	10	03 715	22	06 570	145
6			✓	598	601	583	595	615	602	585	577	597	646	657	675	678	651	613	602	598	590	585	586	596	585	579	586	608	1	12	00 686	7	19 569	117
7				586	585	598	594	595	598	593	598	619	645	675	682	689	671	639	621	610	603	600	598	595	594	594	592	616	0	12	34 696	1	34 581	115
8				594	595	596	602	602	604	602	615	646	683	708	699	674	640	617	607	602	603	600	597	595	597	593	602	620	0	11	00 723	22	26 584	139
9				597	595	597	597	598	599	606	622	648	684	719	722	695	652	624	615	614	611	605	605	602	601	599	604	625	0	11	09 727	0	55 593	134
10	✓			607	602	603	602	604	603	605	624	664	708	732	736	715	674	636	621	616	612	607	610	610	609	608	609	634	0	11	00 739	1	54 600	139
11				611	611	609	611	613	613	624	653	695	738	749	733	694	658	631	628	629	627	623	623	613	610	606	609	642	0	10	55 757	22	26 602	155
12				608	610	611	611	609	610	617	635	669	703	719	712	684	652	624	619	622	616	609	608	604	607	605	605	632	0	10	15 732	20	18 602	130
13	✓	✓		605	607	608	610	614	620	635	655	688	723	721	704	673	631	610	602	610	611	607	603	603	604	604	605	631	0	9	45 739	15	13 599	140
14	✓			602	596	598	597	604	607	617	644	681	720	744	741	705	670	630	612	607	614	603	596	589	580	588	598	631	0	10	50 754	21	23 578	176
15				595	596	599	601	603	607	607	622	664	702	727	720	694	658	632	618	609	605	586	583	598	607	602	587	626	0	10	48 734	24	00 575	159
16			✓	578	585	588	591	604	606	609	646	672	717	(712)	714	689	659	625	605	602	601	602	602	602	598	590	598	625	1	9	44 748	0	10 569	179
17	✓	✓		595	600	602	605	605	605	611	633	669	703	716	707	683	649	632	621	614	610	608	607	605	603	603	604	629	0	10	47 725	0	15 593	132
18		✓		605	606	605	607	611	612	606	612	647	692	724	735	721	689	655	633	621	622	621	617	615	612	610	608	637	0	11	16 742	6	54 602	140
19				608	611	617	622	625	624	616	620	643	683	709	713	681	661	639	626	620	618	620	616	610	603	602	586	632	0	11	19 722	23	26 582	140
20				591	599	604	607	607	607	605	600	624	654	681	687	674	646	626	622	617	609	612	620	612	607	605	604	622	0	11	30 698	0	18 588	110
21	✓			604	606	602	605	611	614	613	623	650	675	698	694	685	664	640	629	620	609	606	605	609	605	603	604	628	0	10	48 705	0	16 599	106
22				607	606	612	612	613	614	616	628	638	659	675	693	682	678	660	641	626	621	615	607	606	605	604	600	630	0	11	27 711	23	53 597	114
23	✓	✓		603	609	604	603	605	607	607	621	639	657	680	692	679	657	636	620	613	613	617	612	611	606	608	599	625	0	11	10 697	23	57 589	108
24				591	590	598	603	605	599	607	617	636	660	687	704	707	685	654	632	619	611	610	610	611	604	589	587	626	0	12	21 715	23	10 581	134
25				591	592	593	597	603	598	599	612	630	656	679	686	679	665	647	621	599	594	593	599	599	600	601	600	618	0	11	56 691	18	13 587	104
26	✓			602	603	603	604	605	603	609	622	639	652	662	667	657	643	623	611	605	595	588	586	583	581	584	587	613	0	11	10 669	21	52 580	89
27	✓			590	593	593	593	600	601	606	625	658	687	696	680	648	616	593	595	604	603	602	597	593	589	586	592	614	0	10	06 700	22	25 582	118
28	✓			603	609	610	611	617	624	633	647	665	683	685	678	654	631	612	606	612	614	612	609	607	607	605	606	627	0	10	02 691	0	00 598	93
29	✓	✓		607	607	609	610	611	614	625	649	677	714	735	736	723	694	651	619	608	604	605	604	602	603	605	607	638	0	11	03 744	20	44 602	142
30				608	611	613	616	617	619	629	653	685	718	748	751	723	681	635	616	614	615	607	610	604	612	611	602	642	0	11	02 762	24	00 600	162
31																																		
MEANS ALL DAYS				598	599	601	603	606	607	609	623	652	687	707	707	689	659	627	613	607	604	601	601	600	598	598	597	625						138
MEANS TEN DAYS ✲				602	603	603	604	608	610	616	634	663	692	707	704	682	653	626	614	611	608	606	603	601	599	599	601	627						124
MEANS FIVE DAYS † (G. M. T.)				603	606	606	607	609	612	617	634	664	698	715	715	696	664	637	619	613	612	609 612	607 609	605	604	601	603	632						
MEANS FIVE DAYS ‡ (G. M. T.)				591	592	590	596	601	599	595	604	635	680	699	697	689	660	612	597	585	583	580	581	585	586	587	589	613						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 132

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1934 — MAY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				599	594	602	603	605	605	610	631	667	719	744	746	726	689	649	621	616	607	606	606	605	606	603	600	636	0	11	14 751	1	55 590	161
2			✓	600	606	612	609	612	617	623	624	656	684	721	718	718	676	640	600	576	591	559	568	546	541	558	558	617	1	10	59 742	21	22 534	208
3			✓	548	548	563	573	587	592	599	606	623	651	656	666	658	642	636	618	606	587	590	586	589	591	591	591	604	1	11	08 677	1	40 543	134
4				590	591	596	597	598	603	608	614	628	650	678	693	694	674	644	620	604	599	606	609	609	609	609	609	622	0	12	04 698	0	40 589	109
5				611	614	614	613	613	617	614	611	630	653	686	713	722	695	668	641	618	611	614	615	613	608	607	602	633	0	12	34 734	23	08 599	135
6	✓			612	612	609	609	610	611	615	623	643	670	694	721	720	703	668	639	616	599	596	591	591	601	605	606	632	0	11	53 728	20	30 587	141
7				605	605	607	609	609	612	613	621	646	672	696	705	704	687	655	628	616	610	606	607	607	605	604	605	631	0	11	42 712	22	40 601	111
8	✓			608	608	613	610	610	612	607	605	617	639	656	674	681	672	651	632	623	615	608	608	610	610	613	612	625	0	12	53 684	7	37 603	81
9				609	608	608	610	613	615	619	621	628	639	670	671	674	668	657	641	627	610	600	604	593	591	594	592	623	0	10	47 687	21	10 589	98
10				593	600	604	605	612	617	626	639	655	665	671	673	671	658	643	636	611	599	602	600	602	601	594	588	624	0	12	16 677	23	40 583	94
11			✓	602	594	595	596	599	607	616	625	637	658	686	683	683	671	648	648	637	595	585	557	571	578	574	570	617	1	10	47 695	19	07 531	164
12			✓	579	577	586	586	583	582	599	629	654	671	678	684	686	670	643	622	606	598	591	598	597	590	594	593	616	1	11	59 697	1	10 566	131
13				605	601	601	600	596	599	606	624	639	673	680	664	681	659	639	620	612	605	604	601	597	598	596	596	622	0	12	32 689	24	00 593	96
14		✓		597	602	599	603	606	610	615	620	634	650	(664)	668	669	659	633	620	607	601	603	602	603	603	604	604	620	0	12	19 676	0	03 592	84
15	✓	✓		605	605	606	609	609	609	617	631	652	674	703	705	697	676	646	625	613	599	601	607	606	603	596	594	629	0	10	38 710	23	07 593	117
16	✓	✓		598	602	605	606	606	610	621	634	644	654	674	680	685	673	646	620	610	608	609	607	608	607	607	606	626	0	12	22 688	0	00 595	93
17				606	610	613	613	612	616	624	638	658	678	695	704	694	669	633	613	605	612	614	615	616	619	623	639	634	0	11	44 712	16	23 600	112
18			✓	635	636	626	630	617	601	588	592	591	582	599	610	635	583	581	563	541	525	514	520	554	550	564	570	564	1	12	23 715	19	46 511	204
19				573	575	579	589	589	592	593	594	610	629	640	670	684	677	654	622	597	581	583	587	588	587	585	587	607	1	12	47 695	0	00 571	124
20				589	593	594	596	598	601	613	628	646	668	686	708	714	687	643	606	598	597	597	596	593	598	592	602	623	0	12	47 719	22	58 587	132
21				605	608	613	613	607	618	624	622	649	684	702	717	717	700	663	629	608	602	597	599	603	600	601	599	632	0	11	29 721	18	43 594	127
22				596	603	595	596	603	606	610	598	600	624	647	660	665	659	631	599	589	586	594	591	585	583	591	594	609	1	10	56 674	21	30 580	94
23				596	608	609	602	597	600	610	620	640	660	672	681	681	660	630	591	579	580	582	583	585	588	591	595	614	0	11	53 695	16	27 578	117
24				600	600	601	602	602	603	610	614	625	639	658	682	693	677	639	607	597	593	601	605	607	608	606	607	620	0	11	54 714	17	02 590	124
25				606	611	613	613	613	615	632	652	651	662	674	691	680	677	641	644	617	593	594	595	597	585	577	577	625	1	11	44 727	23	43 573	154
26	✓			579	591	597	599	602	602	609	620	627	640	657	665	663	652	633	614	602	599	603	602	603	604	605	608	616	0	11	55 673	0	25 577	96
27	✓	✓		609	610	610	610	610	610	622	638	656	675	694	711	696	677	651	632	621	613	612	612	612	612	612	613	634	0	11	14 721	0	47 607	114
28	✓	✓		612	613	614	615	616	618	630	647	672	700	720	723	708	680	644	619	614	619	621	618	618	619	619	619	641	0	11	22 726	1	00 610	116
29	✓			620	620	622	620	622	623	632	653	672	703	723	721	720	694	663	637	620	617	616	612	610	607	610	605	643	0	10	37 733	23	36 603	130
30	✓			606	608	611	615	617	617	620	627	639	670	695	703	690	675	653	623	613	608	609	612	614	614	615	613	632	0	11	44 708	17	52 605	103
31	✓			613	617	619	620	623	622	625	635	649	667	675	682	676	665	643	624	615	609	609	610	609	609	607	610	631	0	11	05 686	22	05 606	80
MEANS ALL DAYS				600	602	604	606	606	608	615	624	640	661	660	691	690	671	644	621	607	599	598	598	598	598	598	599	623						122
MEANS TEN DAYS ✲				606	609	611	611	612	613	620	631	647	669	689	698	694	677	650	626	615	609	608	608	608	609	609	609	631						107
MEANS FIVE DAYS † (G. M. T.)				604	606	607	609	609	611	621	634	652	671	691	697	691	673	644	623	613	608	605 609	605 609	604	604	603	603	629						
MEANS FIVE DAYS ‡ (G. M. T.)				593	592	596	599	600	600	605	615	632	649	668	672	676	649	630	610	593	579	568	589	588	589	590	591	611						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 483

HORIZONTAL INTENSITY

JUNE 1934

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JUNE 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			611	614	616	618	619	622	624	629	644	667	683	693	696	684	661	628	613	610	612	611	611	610	609	611	633	0	12	37 699	17	14 608	91
2	✓	✓		615	617	619	620	623	626	632	646	655	671	683	685	686	671	646	626	618	614	613	615	614	613	612	615	635	0	12	05 691	22	10 609	82
3	✓	✓		617	620	623	625	626	628	633	641	655	678	702	723	737	715	677	644	625	618	614	616	623	626	628	629	647	0	12	24 742	18	34 612	130
4				627	626	628	629	631	631	634	635	645	663	680	704	702	698	686	679	644	631	622	602	573	555	556	565	635	1	11	35 719	21	33 552	167
5			✓	596	595	598	602	600	613	601	581	593	614	634	645	656	646	609	587	577	567	555	562	562	560	570	572	596	1	12	39 675	18	47 545	130
6			✓	583	573	595	596	588	598	607	624	640	660	688	665	634	628	616	610	607	615	613	597	595	596	598	599	614	1	10	07 714	1	34 571	143
7				601	609	613	610	611	612	618	614	618	626	636	649	656	645	632	618	608	604	604	599	601	602	603	604	616	1	12	27 660	0	43 597	63
8				605	608	608	605	610	611	622	641	654	672	667	688	677	663	647	606	594	588	581	592	598	595	608	593	622	0	11	18 713	18	10 574	139
9				596	596	608	605	606	608	617	615	621	641	660	682	680	663	634	621	615	605	600	600	601	601	605	607	620	0	11	39 686	0	00 591	95
10	✓			608	608	609	608	609	608	609	621	634	652	670	660	680	660	637	615	607	603	601	603	604	603	605	605	622	0	11	58 684	18	26 598	86
11			✓	607	608	608	609	612	616	623	634	642	659	664	672	686	670	635	621	613	601	595	584	598	611	603	593	624	1	12	50 697	19	24 576	121
12			✓	593	596	601	601	604	601	619	643	672	694	719	735	721	664	638	617	609	602	597	590	593	596	598	597	629	1	11	59 763	0	22 579	184
13	✓			596	603	600	601	603	604	607	605	607	610	624	643	650	650	642	629	617	610	608	605	604	605	607	608	614	0	11	47 654	0	29 593	61
14				610	611	611	609	610	612	614	630	655	684	714	720	708	685	652	633	607	594	591	574	561	566	559	560	624	1	10	40 726	23	10 553	173
15				571	596	602	596	596	599	608	624	637	(650	656	652)	643	630	618	615	612	609	603	601	600	598	600	602	613	1	[10	20 664]	0	00 567	[97]
16				600	604	607	609	624	626	635	646	672	665	689	690	669	633	619	603	603	606	608	606	607	604	611	608	628	0	11	22 709	15	41 593	116
17				607	606	605	606	606	609	613	618	626	632	649	670	666	657	632	611	603	608	608	606	604	608	607	612	620	0	11	21 688	17	00 601	87
18			✓	617	610	606	615	614	622	633	654	661	680	688	705	667	655	630	603	589	582	588	590	597	597	598	600	625	1	11	07 745	17	28 579	166
19				601	603	608	608	610	610	617	628	647	659	676	680	674	662	645	628	614	607	605	603	603	602	606	603	625	0	11	47 685	0	31 600	85
20				616	612	612	612	613	614	610	611	626	641	657	681	671	660	640	621	608	603	601	603	604	604	605	605	622	0	11	21 684	18	15 599	85
21		✓		606	607	607	608	610	611	613	618	633	654	667	676	679	680	664	637	617	612	615	615	614	612	610	608	628	0	13	40 682	0	20 605	77
22	✓	✓		607	606	608	611	612	617	627	636	648	658	676	684	685	672	649	630	619	618	618	617	618	617	617	619	632	0	12	22 689	1	23 605	84
23				621	618	618	621	624	624	622	618	629	651	683	706	704	690	659	629	613	613	613	613	613	614	617	614	634	0	12	00 715	16	34 611	104
24	✓			609	614	610	609	611	615	616	615	627	640	645	657	663	657	640	624	620	618	614	612	612	612	611	612	623	1	12	16 670	0	43 607	63
25	✓			610	610	612	613	612	614	622	637	662	695	725	734	722	680	638	615	608	611	613	614	615	614	614	612	638	0	11	40 737	16	37 607	130
26	✓	✓		611	615	615	617	618	619	623	632	642	656	680	692	697	691	667	641	626	621	618	617	617	616	615	617	636	0	12	34 698	0	15 609	89
27				617	618	618	619	623	630	639	652	656	667	665	674	683	643	623	627	623	621	612	607	612	614	617	616	632	1	11	59 707	19	40 605	102
28				614	618	616	615	616	617	625	639	651	656	667	673	673	664	648	631	616	623	612	600	594	592	600	603	628	1	12	16 689	21	07 586	103
29	✓			609	611	610	612	612	614	619	631	646	655	667	675	680	679	670	651	631	618	615	615	616	618	618	619	633	0	12	02 682	0	20 608	74
30				619	619	622	623	623	624	630	633	635	648	657	668	672	664	655	644	638	632	622	619	618	609	628	625	634	0	11	54 675	22	14 604	71
31																																		
MEANS ALL DAYS				607	608	610	611	613	615	620	628	641	657	672	663	661	665	644	625	613	609	606	603	603	602	604	604	626						107
MEANS TEN DAYS ✲				609	612	612	613	614	617	621	629	642	658	676	687	690	676	653	630	618	614	613	612	613	613	614	615	631						89
MEANS FIVE DAYS (G. M. T.) †				611	613	614	616	616	620	626	635	647	663	662	692	697	666	661	636	621	617	611 616	612 616	612	611	610	610	634						
▲MEANS FIVE DAYS (G. M. T.) ‡				599	596	602	605	604	610	617	627	642	661	679	684	673	653	626	608	599	593	590	591	588	587	588	569	617						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 484

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				610	617	622	624	627	627	634	639	638	649	654	664	662	659	648	627	620	622	624	616	609	601	601	598	629	1	11 34	667	24 00	596	71
2	✓			600	608	612	619	619	623	627	623	625	631	649	660	661	662	656	643	627	618	617	615	615	606	607	609	626	0	11 34	664	0 00	596	68
3			✓	612	614	617	620	619	642	690	680	655	672	665	656	675	646	634	618	605	596	593	595	599	596	597	598	629	1	7 04	749	22 13	580	169
4			✓	599	603	603	607	610	616	616	604	609	619	634	645	646	657	655	639	630	614	608	601	596	594	596	614	617	1	13 42	663	21 56	586	77
5				604	599	613	602	605	612	619	629	633	638	646	649	658	641	639	631	621	613	610	606	607	605	595	603	620	1	12 28	664	23 16	588	76
6				614	604	606	608	609	611	620	639	650	664	685	688	676	657	650	635	619	610	606	609	608	611	619	612	630	1	11 27	691	1 44	604	87
7				608	607	608	609	612	615	625	635	649	667	676	678	678	655	632	624	616	613	608	607	605	604	605	604	627	0	12 16	691	23 13	600	91
8	✓			610	603	606	610	612	611	620	639	660	673	673	667	664	658	651	635	623	618	612	610	605	605	608	601	628	0	10 02	680	23 57	596	84
9				597	604	612	609	609	612	626	646	669	691	700	692	676	660	644	636	622	609	603	597	603	598	602	606	630	0	11 06	710	19 50	593	117
10	✓	✓		609	613	611	610	614	616	625	639	655	673	685	688	678	667	645	627	616	612	609	608	607	610	612	614	631	0	11 00	693	20 00	605	88
11				615	614	617	621	622	627	641	656	674	700	719	723	702	678	646	627	624	617	614	612	609	610	609	612	641	0	11 47	734	20 50	607	127
12	✓			616	616	617	618	621	624	627	634	623	643	665	673	683	683	662	649	626	617	619	621	623	621	621	622	634	0	12 28	687	17 16	612	75
13				622	619	619	617	619	622	631	647	664	671	694	697	692	673	655	636	628	622	619	615	616	612	609	616	638	0	10 43	705	22 16	605	100
14				615	616	618	620	624	631	641	653	660	669	700	708	721	705	690	657	639	629	629	608	582	575	577	577	639	0	12 35	730	21 39	571	159
15				584	588	603	607	614	619	633	649	661	670	667	672	667	658	654	645	629	622	622	610	595	592	597	602	628	0	10 59	688	0 00	580	108
16				608	607	604	604	608	613	615	623	645	670	(689)	686	680	654	621	617	620	618	614	611	611	611	611	611	627	0	[10 43	696]	0 12	594	[102]
17				613	612	615	616	618	620	625	638	647	663	686	694	683	671	654	632	617	608	608	609	611	613	609	614	632	0	11 56	701	17 42	605	96
18	✓	✓		612	611	614	615	616	618	625	642	664	685	713	714	695	673	648	625	613	609	610	611	611	613	614	614	636	0	11 22	724	17 14	608	116
19		✓		614	616	616	617	617	622	623	625	633	642	652	663	668	664	659	648	630	618	616	615	611	616	616	617	630	0	12 41	671	20 48	610	61
20	✓			616	616	619	619	618	620	630	649	666	691	702	701	697	683	663	641	625	618	611	612	614	614	615	613	640	0	10 43	705	19 30	610	95
21				613	614	614	617	620	622	629	639	650	666	680	678	664	654	650	648	633	623	624	621	618	614	616	618	634	0	11 04	685	21 41	611	74
22	✓	✓		619	622	622	621	619	622	624	631	646	665	685	696	690	679	664	645	630	621	617	616	615	615	616	615	637	0	11 27	701	24 00	613	88
23	✓	✓		615	617	618	619	619	618	623	634	649	665	670	675	668	660	650	636	626	622	621	621	621	621	621	618	634	0	11 25	677	0 13	611	66
24				618	618	622	631	636	634	644	664	673	681	686	699	673	655	632	626	626	621	616	617	614	613	614	618	639	0	11 29	715	21 43	611	104
25	✓			616	616	614	616	618	623	632	642	659	674	683	688	682	675	659	647	639	632	617	613	608	602	599	604	636	0	11 30	692	22 32	599	93
26				608	610	613	616	618	624	642	665	679	684	679	671	651	617	596	602	612	616	618	614	611	614	614	612	629	0	9 47	689	14 37	592	97
27	✓			615	620	627	623	622	626	636	657	686	717	734	734	726	702	670	641	619	615	617	619	617	616	615	615	649	0	10 54	738	17 02	612	126
28				617	620	623	625	627	630	640	660	687	719	738	736	723	700	674	655	634	622	623	621	616	611	608	612	651	0	11 10	741	22 30	604	137
29			✓	618	620	619	616	619	616	618	632	653	678	681	693	694	676	645	625	601	598	603	608	612	614	645	624	634	0	11 53	705	17 04	594	111
30			✓	607	551	535	559	538	566	539	536	555	577	575	590	592	599	598	592	583	567	570	585	577	574	574	578	572	2	0 34	627	8 32	517	110
31			✓	575	574	579	581	586	590	591	608	627	646	669	629	635	627	616	598	597	593	595	585	580	595	577	592	602	1	10 36	683	20 31	572	111
MEANS ALL DAYS				610	609	611	613	614	618	626	637	650	666	679	681	676	663	647	632	621	614	612	610	607	606	607	608	630						99
MEANS TEN DAYS ✲				613	614	616	617	618	620	627	639	653	672	686	690	684	674	657	639	624	618	615	615	614	612	613	612	635						90
MEANS FIVE DAYS † (G. M. T.)				614	616	616	616	617	619	624	634	649	666	681	687	680	669	653	636	623	616	612 615	611 614	612	611	611	613	633						
MEANS FIVE DAYS ‡ (G. M. T.)				602	592	591	597	594	606	611	612	620	638	645	643	648	641	630	614	603	594	594	605	604	600	606	604	612						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 485

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1934 — AUGUST 1934

DAY	✲	+	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				589	585	585	596	592	594	608	613	621	633	645	654	657	647	630	610	602	595	592	587	588	587	588	585	608	1	12	22 669	2	27 580	89
2				587	592	592	598	601	604	606	622	640	642	652	665	669	668	654	627	608	592	594	592	596	592	591	613	617	1	12	04 681	22	56 581	100
3			✓	597	587	594	600	601	607	603	589	578	591	625	654	684	658	653	623	593	586	588	584	586	590	590	596	607	1	12	38 717	8	19 567	150
4			✓	599	589	588	592	597	593	601	616	631	651	668	672	651	632	633	619	593	571	558	565	573	577	573	585	605	1	11	10 685	18	26 555	130
5				588	593	593	594	594	598	613	633	635	645	652	652	652	652	634	618	611	600	583	589	597	608	592	595	613	1	10	58 661	18	23 580	81
6				597	601	601	616	605	602	608	621	642	663	667	643	624	616	614	617	614	601	594	594	593	595	597	600	614	1	9	56 682	20	03 590	92
7	✓			608	601	605	609	611	606	630	640	662	686	695	697	684	665	643	631	618	606	602	602	603	602	603	603	630	0	9	30 707	1	24 599	108
8	✓			604	608	603	603	606	613	618	632	652	664	682	684	684	665	654	642	617	599	600	597	600	603	600	600	626	0	12	06 693	19	37 595	98
9	✓	✓		608	605	606	606	605	606	615	633	657	681	688	697	697	681	658	633	617	608	603	602	600	600	594	589	629	0	11	37 700	23	47 585	115
10		✓		596	595	607	604	607	607	613	622	639	666	688	691	680	673	660	646	640	629	618	612	608	587	593	605	629	0	11	11 699	21	35 580	119
11	✓			602	616	610	607	607	614	620	638	657	679	697	705	699	685	663	636	618	611	607	604	606	609	609	607	634	0	11	43 710	0	24 596	114
12				607	607	608	609	613	615	626	645	667	673	694	711	728	705	674	652	620	580	544	559	568	584	586	590	628	1	11	58 748	18	10 540	208
13				592	596	598	600	605	610	619	632	656	665	654	672	667	659	651	629	604	603	597	598	600	601	600	601	621	1	11	30 690	0	03 590	100
14				602	603	603	607	606	608	617	642	665	683	671	674	665	657	650	623	592	599	599	597	600	604	604	604	624	1	9	56 700	16	27 587	113
15	✓			602	616	606	605	608	611	623	648	665	682	695	699	690	678	640	624	612	607	592	592	588	596	601	602	628	0	12	07 708	20	43 585	123
16	✓			604	603	607	608	608	610	617	625	648	(670	681	682)	672	665	654	635	614	607	602	587	584	578	578	580	622	0	[10	54 688]	23	10 576	[112]
17				581	590	589	591	595	597	605	618	639	673	704	682	671	658	634	619	623	647	622	624	611	608	617	617	626	1	10	23 730	0	13 577	153
18				621	617	615	605	606	616	623	640	667	700	714	715	705	695	666	647	632	626	629	611	604	605	608	595	640	0	10	44 722	23	46 590	132
19				604	596	602	609	618	630	627	633	644	639	634	608	653	663	644	622	605	602	602	601	600	600	599	601	618	1	13	29 671	11	14 590	81
20	✓	✓		601	602	603	606	609	613	620	632	641	658	673	682	681	673	653	630	616	609	610	612	610	610	611	601	627	0	11	19 684	24	00 596	88
21				591	591	590	595	598	606	599	598	611	631	656	653	652	640	634	622	614	603	596	602	603	601	596	603	612	1	11	24 663	0	21 587	76
22				602	608	607	598	607	605	608	597	610	609	603	619	638	666	657	644	620	601	599	599	599	603	605	605	613	1	13	03 681	7	34 588	93
23	✓			606	609	613	610	608	613	621	634	648	663	676	689	684	686	657	651	629	607	609	610	610	607	606	610	632	0	13	16 696	17	24 602	94
24	✓	✓		607	607	606	610	610	612	624	640	667	708	738	741	721	688	651	624	613	609	609	610	612	615	618	613	640	0	10	57 747	2	37 604	143
25	✓	✓		614	610	612	613	614	617	629	651	685	719	734	730	707	671	636	618	613	611	606	597	598	605	606	608	638	0	10	16 736	19	38 594	142
26				619	625	628	627	632	632	636	659	684	725	712	708	714	702	685	655	603	583	582	574	579	566	576	613	638	1	9	57 748	21	28 559	189
27			✓	584	580	584	594	600	602	607	612	634	659	657	663	669	651	630	614	572	554	570	579	562	579	583	574	605	1	9	49 684	17	34 549	135
28			✓	588	594	585	590	600	595	588	602	612	627	636	635	630	623	613	615	604	579	620	598	593	587	591	585	604	1	10	45 657	17	23 571	86
29			✓	607	607	607	602	601	592	600	604	622	661	678	673	662	645	627	592	586	573	587	590	587	589	598	599	612	1	10	02 692	17	32 566	126
30				590	591	593	606	602	593	592	611	627	653	661	646	649	641	630	618	603	592	590	590	590	600	596	596	611	0	10	34 669	6	10 583	86
31				595	596	602	599	599	607	600	604	610	626	642	667	675	683	675	(651)	613	591	579	593	599	592	591	591	616	0	13	21 687	18	17 574	113
MEANS ALL DAYS				600	601	601	604	605	607	613	625	642	662	673	676	675	664	647	629	610	599	596	595	595	596	597	599	621						116
MEANS TEN DAYS ✲				606	608	607	608	609	612	622	637	658	681	696	701	692	676	651	632	617	607	604	601	601	602	603	601	630						114
MEANS FIVE DAYS + (G. M. T.)				605	604	607	608	609	611	620	636	658	686	704	708	697	677	652	630	620	613	605 609	604 607	604	605	603	603	632						
MEANS FIVE DAYS ‡ (G. M. T.)				595	591	592	596	600	598	600	605	615	638	653	659	659	642	631	613	590	573	585	585	583	583	586	596	607						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
+ = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 406

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

SEPTEMBER 1934

SEPTEMBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				589	591	607	602	604	603	609	614	610	646	695	697	699	687	656	621	592	567	581	590	591	579	574	602	617	0	10 39	726	17 23	562	164
2			✓	610	586	584	596	605	606	606	609	615	618	614	620	615	618	615	613	605	585	570	559	556	567	575	580	597	0	10 46	654	20 43	545	109
3				582	589	591	591	596	609	611	614	639	668	682	695	684	652	637	623	605	589	589	588	584	589	600	593	617	0	11 38	714	0 35	578	136
4				595	595	596	599	598	601	607	612	626	655	684	698	676	652	621	598	603	594	594	594	593	593	594	597	616	0	12 01	711	17 45	588	123
5	✓			600	600	602	601	601	605	617	631	654	676	705	715	710	684	650	625	612	598	599	600	597	598	598	597	628	0	12 17	720	20 30	595	125
6				599	600	602	604	607	610	617	639	672	704	729	728	714	676	644	615	593	575	561	565	559	575	575	574	622	0	10 30	740	20 35	557	183
7	✓			582	589	592	596	595	607	623	647	673	695	713	713	693	670	643	625	609	600	598	598	601	598	601	603	628	0	11 30	720	0 00	576	144
8	✓			602	604	609	617	621	627	646	669	694	708	729	730	703	688	672	642	625	610	605	607	607	604	607	606	643	1	11 38	748	1 08	600	148
9	✓	✓		604	603	603	607	609	615	623	636	656	682	710	724	715	693	648	617	608	611	615	615	614	612	607	607	635	0	10 58	732	22 54	601	131
10	✓	✓		605	605	607	610	615	618	623	636	657	675	687	695	696	677	661	648	628	607	602	600	601	607	610	609	632	0	12 03	701	20 07	596	105
11				605	604	598	605	616	621	628	643	662	682	694	695	684	661	655	625	629	620	611	603	604	587	587	579	629	1	9 56	704	23 52	576	128
12	✓			588	587	596	601	600	602	615	636	656	679	699	696	676	657	628	607	607	605	606	603	602	603	602	602	623	0	10 04	704	0 00	579	125
13	✓	✓		604	605	606	607	609	613	621	642	665	693	712	720	710	685	656	633	612	602	605	605	603	604	603	602	634	0	10 45	728	0 01	600	128
14	✓	✓		601	606	609	608	608	608	615	640	678	711	(724	714)	699	673	646	629	620	610	609	608	603	606	608	607	635	0	[10 34	727]	0 46	600	[127]
15	✓			606	605	610	612	612	612	619	634	661	686	700	706	706	696	676	660	636	621	620	622	627	615	592	591	639	0	12 55	720	23 13	583	137
16				607	607	614	613	612	607	608	633	657	670	679	676	678	666	633	607	602	600	597	579	564	568	591	599	619	1	10 40	686	20 15	557	129
17				603	605	603	589	618	607	607	583	604	628	669	696	695	674	651	621	599	587	586	586	586	587	591	588	615	1	11 45	703	7 37	574	129
18	✓			584	584	588	593	595	595	598	602	626	644	663	675	674	660	643	627	607	594	596	599	596	594	594	597	614	0	12 12	678	1 20	583	95
19				601	604	604	605	610	613	616	632	661	678	710	700	691	663	641	624	608	580	584	590	591	595	598	598	625	1	10 54	721	17 40	575	146
20				598	596	601	601	599	596	597	615	630	668	690	653	663	639	620	617	616	604	597	598	598	600	598	595	616	1	10 44	703	1 16	593	110
21				596	598	601	603	607	607	613	632	659	683	690	694	691	677	659	629	604	577	564	562	575	559	564	567	617	0	11 14	706	20 00	552	154
22				577	584	589	594	600	603	615	629	647	659	670	678	670	656	636	621	605	598	598	595	596	600	601	598	617	1	11 14	690	0 00	571	119
23		✓		599	598	598	600	600	607	613	634	669	691	686	693	685	669	644	620	610	607	606	606	606	608	597	591	627	0	11 23	702	23 59	588	114
24			✓	588	585	577	594	592	581	579	583	611	663	668	680	669	657	622	607	598	553	558	565	565	589	563	594	602	1	11 32	710	17 42	545	165
25			✓	577	573	570	576	581	581	589	614	633	638	640	633	623	590	543	521	541	555	566	568	562	575	579	582	584	1	11 35	674	15 05	515	159
26				588	591	590	590	586	587	596	600	637	671	702	722	726	702	657	611	583	573	574	584	580	590	585	597	618	1	12 43	739	16 48	567	172
27			✓	592	579	590	600	591	594	583	593	639	671	683	679	690	650	612	606	595	583	583	583	584	587	583	584	610	1	12 37	701	7 11	575	126
28				587	588	587	589	593	597	589	607	641	665	680	690	676	648	634	621	608	590	587	586	585	586	588	590	613	0	11 10	694	21 12	583	111
29				588	588	592	592	597	601	601	614	633	664	683	698	684	661	633	620	596	573	572	574	567	569	568	574	610	0	11 15	704	20 57	563	141
30			✓	581	587	600	589	590	593	594	607	636	659	684	691	685	645	595	572	576	578	589	587	585	583	585	587	607	0	11 02	700	15 40	569	131
31																																		
MEANS ALL DAYS				595	595	597	599	602	604	609	623	647	671	689	693	686	664	638	617	604	592	591	591	589	591	591	593	620						134
MEANS TEN DAYS ✲				598	599	602	605	606	610	620	637	662	685	704	709	698	678	652	631	616	606	606	606	605	604	602	602	631						126
MEANS FIVE DAYS † (G. M. T.)				603	603	605	606	608	612	619	638	665	690	704	709	701	679	651	629	616	607	606 607	605 607	604	605	604	603	632						
MEANS FIVE DAYS ‡ (G. M. T.)				590	582	584	591	592	591	590	601	627	650	658	661	656	632	597	584	583	571	573	584	582	587	577	592	601						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
{ } = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 487

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1934

OCTOBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				597	603	601	596	598	595	590	598	647	686	706	714	712	693	661	621	597	577	579	588	593	590	589	588	622	0	11 17	722	18 03	568	154
2				587	592	591	594	592	591	589	606	636	671	681	689	694	684	659	631	610	599	599	598	597	596	597	598	620	0	11 57	700	0 43	585	115
3				595	597	599	600	599	599	602	619	652	684	709	722	709	674	646	626	611	625	602	599	599	600	597	598	628	0	11 35	727	0 27	593	134
4				599	600	603	606	607	607	601	613	652	677	689	692	684	668	654	648	630	610	606	606	606	608	609	609	628	0	11 14	699	0 28	595	104
5	✓			604	603	601	610	611	602	604	626	655	681	691	692	663	650	640	631	627	618	613	607	605	603	602	606	627	1	11 45	698	6 03	596	102
6				606	609	612	609	613	620	635	666	700	726	741	742	724	696	678	663	631	615	621	607	605	605	606	607	647	0	10 29	752	0 00	603	149
7				612	618	621	615	616	616	616	638	684	725	743	747	693	653	634	606	603	604	604	604	604	602	602	603	636	1	11 20	776	22 04	599	177
8	✓	✓		605	625	604	607	611	612	623	652	696	720	733	734	729	702	665	638	624	609	604	604	602	601	601	601	642	0	10 40	740	21 14	600	140
9	✓	✓		602	602	607	607	611	609	608	634	673	698	705	707	693	665	641	620	612	609	607	608	608	608	606	607	631	0	10 47	712	0 00	601	111
10	✓	✓		607	605	608	613	616	611	613	641	681	710	728	729	708	679	649	626	609	607	611	609	609	609	609	610	637	0	11 10	739	1 33	604	135
11				611	614	615	617	617	617	623	647	684	718	742	747	732	706	676	643	617	611	619	619	608	604	597	599	645	0	11 04	754	23 17	594	160
12				604	604	599	599	604	602	589	604	634	673	697	704	694	660	622	591	579	578	580	583	597	594	597	596	616	0	12 13	709	16 07	571	138
13				590	594	594	604	605	605	607	635	670	699	704	697	684	641	628	618	605	596	599	601	599	603	595	597	624	0	10 22	719	0 10	588	131
14				601	605	600	595	599	592	576	591	630	678	698	721	715	688	664	636	609	597	601	603	603	602	604	600	625	0	11 37	729	6 36	572	157
15			✓	596	599	604	613	614	612	589	601	622	(663	670	662)	643	636	599	592	588	583	593	593	593	590	590	593	610	1	[10 10	694]	14 02	560	[134]
16				597	599	599	602	598	588	577	581	594	630	659	678	685	679	662	633	606	594	594	591	593	589	585	584	612	0	11 53	689	7 02	572	117
17	✓			594	601	600	601	602	605	611	628	649	663	672	675	663	656	650	632	606	594	593	595	589	593	589	590	619	1	11 00	691	0 00	585	106
18	✓			592	594	596	596	601	604	599	609	635	664	683	684	675	663	652	635	621	612	610	609	608	606	606	604	623	0	11 24	695	0 00	591	104
19	✓	✓		603	602	605	606	606	605	604	626	669	703	726	725	696	666	640	617	606	605	606	607	607	606	607	607	631	0	11 05	735	6 14	600	135
20			✓	606	608	609	611	612	617	632	665	708	736	738	726	713	662	637	606	578	586	582	574	586	581	584	583	631	0	9 32	745	19 12	567	178
21				589	596	602	606	604	608	610	631	667	686	704	710	709	669	632	600	585	594	599	598	594	592	587	580	623	1	12 14	748	16 20	583	165
22				591	595	594	599	601	604	618	658	692	717	698	686	640	601	575	581	596	606	607	601	592	592	593	595	618	0	9 30	722	15 05	571	151
23				599	600	608	610	613	612	621	653	690	727	730	713	693	667	645	626	623	617	598	584	586	595	585	571	632	0	9 52	740	24 00	556	184
24			✓	557	568	588	592	603	594	579	611	658	684	675	663	653	622	608	597	584	576	578	572	588	581	577	578	604	1	9 43	704	0 42	553	151
25			✓	588	584	585	590	595	589	588	609	657	690	715	701	660	613	594	588	587	585	582	575	577	581	578	585	608	1	10 23	732	20 10	569	163
26			✓	591	587	585	592	592	585	588	611	635	676	684	697	687	666	652	625	598	585	590	585	590	587	592	589	615	0	11 37	712	5 42	582	130
27				585	588	589	594	593	594	596	614	622	629	665	668	656	654	640	621	604	587	587	590	590	589	594	588	610	0	11 23	677	0 30	583	94
28				581	583	586	592	595	594	600	624	666	677	647	644	646	644	638	624	609	599	595	593	593	594	592	590	613	1	9 46	697	0 44	580	117
29	✓	✓		588	587	594	595	598	597	604	628	665	684	688	680	662	647	634	615	604	598	598	597	595	599	599	598	619	0	10 08	694	1 40	586	108
30	✓			596	594	599	596	599	599	604	620	649	668	667	661	655	649	643	635	615	601	601	606	603	598	599	599	619	0	10 18	680	1 30	592	88
31	✓			597	594	594	593	597	597	602	628	656	687	696	684	655	648	638	625	612	606	606	605	604	604	606	608	623	0	10 24	700	3 29	592	108
MEANS ALL DAYS				596	598	600	602	604	603	603	625	659	688	699	700	685	661	641	621	606	599	599	597	598	597	596	596	624						134
MEANS TEN DAYS	✲			599	601	601	602	605	604	607	629	663	688	699	697	660	662	645	627	614	606	605	605	603	603	602	603	627						114
MEANS FIVE DAYS (G. M. T.)	†			601	604	604	606	608	607	610	636	677	703	716	715	698	672	646	623	611	606	604 605	604 605	603	602	601	601	632						
MEANS FIVE DAYS (G. M. T.)	‡			588	589	594	600	603	599	595	619	656	690	696	690	671	640	618	602	587	583	585	588	592	593	590	588	615						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 488

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1934 — NOVEMBER 1934

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		608	606	606	606	607	606	603	620	651	681	696	695	687	676	664	641	620	605	604	597	596	601	605	606	629	0	11 14	699	19 47	594	105
2	✓			607	607	613	615	614	614	612	631	655	674	691	692	688	671	654	632	610	609	610	613	614	613	610	608	632	0	10 50	702	1 00	606	96
3				612	611	615	618	617	614	603	613	641	669	681	682	669	650	635	606	608	607	607	599	600	597	596	594	623	0	10 59	691	23 43	593	98
4	✓			599	605	606	607	605	607	611	627	653	679	683	666	664	649	639	625	616	607	605	605	606	610	608	607	625	1	10 27	692	0 00	596	96
5				611	613	618	626	631	633	640	666	682	698	697	676	644	616	617	618	615	612	601	599	603	600	600	602	630	1	10 14	716	21 59	597	119
6				602	603	605	608	610	610	620	641	672	690	692	675	648	627	617	616	613	608	608	607	607	605	609	605	625	0	9 57	697	0 07	601	96
7			✓	609	618	623	633	613	609	626	619	642	657	704	654	627	609	576	550	577	580	588	577	577	577	583	593	609	1	10 53	733	15 08	539	194
8			✓	583	586	585	587	586	587	592	609	646	674	693	688	663	634	622	607	599	585	589	593	591	591	585	580	611	1	11 14	721	22 49	577	144
9				578	579	582	589	591	589	600	630	674	706	711	698	657	620	595	579	589	592	589	583	587	586	589	587	612	0	10 02	716	15 35	573	143
10				589	592	593	592	593	596	596	613	650	670	681	674	644	621	602	596	600	599	596	593	594	596	596	596	611	0	10 28	686	0 14	587	99
11				596	601	598	601	601	599	598	618	644	664	676	673	659	647	621	601	594	587	587	587	588	589	592	593	613	0	11 10	681	17 43	586	95
12	✓			593	594	595	596	598	595	588	597	629	651	657	653	639	628	614	603	600	600	603	603	602	601	601	599	610	0	10 40	665	6 08	586	79
13				598	599	599	598	602	597	596	602	622	636	641	642	646	635	626	608	575	575	585	587	584	579	575	587	604	1	11 04	655	16 16	569	86
14				596	598	597	599	599	601	607	620	649	675	681	678	656	650	639	619	603	594	594	598	598	597	598	600	619	0	10 22	689	0 33	592	97
15				602	605	603	602	603	601	609	626	640	(662	671	660)	640	627	625	615	605	592	593	592	593	591	592	591	614	0	[10 48	679]	17 28	589	[90]
16				593	592	591	599	605	608	618	637	656	676	675	654	641	629	629	627	620	608	605	605	604	605	607	603	620	0	9 37	683	2 17	588	95
17				599	606	608	606	608	611	614	636	660	672	676	670	664	661	653	640	635	623	612	617	616	611	610	613	630	0	10 01	681	0 44	597	84
18	✓			615	618	620	621	619	624	632	647	666	683	688	679	656	642	626	608	611	606	601	605	611	615	608	606	629	0	10 34	693	18 28	598	95
19				610	606	609	606	614	620	634	664	677	685	669	653	638	633	619	620	620	616	616	615	614	613	612	610	628	1	8 07	692	3 11	604	88
20	✓	✓		610	608	607	611	613	614	620	642	668	687	683	667	643	645	635	622	610	608	607	608	609	609	608	607	627	0	9 28	696	23 33	605	91
21	✓	✓		606	606	608	607	608	613	620	642	666	689	684	673	652	636	623	614	615	616	613	614	616	616	615	610	628	0	9 48	703	1 05	604	99
22	✓	✓		610	610	609	608	614	623	636	656	681	700	698	674	645	617	603	599	603	607	610	610	605	610	613	613	627	0	9 54	707	15 14	597	110
23	✓			611	613	613	614	614	619	629	654	688	726	742	733	705	667	633	611	600	602	607	611	611	612	615	614	639	0	10 27	749	16 24	598	151
24			✓	618	626	626	622	623	624	627	650	681	718	749	761	728	642	591	560	562	571	586	584	580	589	587	587	629	1	11 06	807	15 18	543	264
25			✓	595	592	592	594	593	601	613	626	643	652	652	654	630	615	615	608	607	612	605	596	597	597	596	594	612	1	11 31	671	0 10	586	85
26				593	596	601	601	605	612	627	648	670	686	698	700	683	649	628	616	613	605	601	594	597	599	600	601	626	0	11 24	707	0 32	592	115
27	✓			601	601	605	604	606	610	621	639	674	712	747	747	717	681	(645)	618	608	612	613	605	603	604	606	604	637	0	11 08	757	21 04	599	158
28			✓	600	608	606	606	606	608	615	625	664	693	727	737	743	686	654	627	596	584	594	601	598	598	597	596	632	1	12 12	780	17 10	578	202
29				598	603	601	601	599	598	600	609	645	671	726	748	719	678	639	610	606	605	603	600	596	597	600	600	627	1	11 17	760	7 10	589	171
30		✓		601	603	603	603	606	607	599	606	625	648	671	689	698	683	654	625	609	611	613	613	613	611	610	608	625	0	12 33	702	6 56	597	105
31																																		
MEANS ALL DAYS				601	603	605	606	607	608	614	630	657	679	691	685	666	644	626	611	605	601	601	600	600	601	601	600	623						118
MEANS TEN DAYS ✱				606	607	608	609	610	612	617	636	663	688	697	688	670	651	634	617	609	607	607	607	607	609	609	607	628						108
MEANS FIVE DAYS † (G. M. T.)				607	607	607	607	610	613	616	633	658	681	686	680	665	651	636	620	611	609	609 609	608 608	608	608	608	607	627						
MEANS FIVE DAYS ‡ (G. M. T.)				601	606	606	608	604	606	615	626	655	679	705	699	678	637	612	590	588	586	592	597	596	597	600	601	620						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 489

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				639	632	634	622	614	634	632	630	665	701	681	698	666	637	619	603	594	592	592	597	603	595	609	606	629	1	11 36	744	17 53	587	157
2				602	597	605	612	615	614	626	628	630	644	660	682	686	674	648	623	608	605	605	608	606	609	603	603	625	1	12 33	695	0 58	592	103
3			✓	598	593	594	596	598	607	615	625	642	671	661	654	653	658	652	643	643	602	566	542	495	493	523	524	602	1	9 32	677	21 01	442	235
4			✓	538	557	560	553	554	565	578	592	575	587	598	582	590	589	597	599	594	581	575	573	572	575	575	577	576	1	10 03	628	017	532	96
5				575	574	575	572	575	582	589	603	614	627	621	617	600	555	548	570	587	590	589	585	581	580	582	581	586	1	11 18	642	14 10	540	102
6	✓			579	580	579	583	583	588	595	602	617	628	628	634	621	607	594	595	592	588	588	592	593	595	595	589	598	1	11 07	638	2 44	577	61
7				583	578	580	581	585	588	602	627	653	676	672	667	641	615	597	584	593	602	607	594	596	596	591	598	609	0	9 30	685	1 21	575	110
8	✓			599	599	599	596	599	601	606	618	647	677	676	690	688	650	616	599	595	592	592	595	595	593	595	597	617	0	12 12	709	18 06	590	119
9	✓	✓		602	600	601	602	604	609	611	626	652	683	687	681	677	654	618	596	592	599	598	606	603	602	600	602	621	0	10 28	692	16 40	588	104
10	✓			602	599	597	597	597	601	607	633	669	697	712	701	659	619	590	581	581	590	592	595	596	596	596	602	617	0	10 51	722	16 10	576	146
11				604	606	605	604	605	621	640	656	683	715	725	732	723	688	651	605	590	592	593	597	597	599	600	602	635	1	11 07	764	16 41	581	183
12				601	600	600	602	603	599	600	607	628	656	660	659	661	641	620	607	607	607	612	612	614	611	617	619	618	1	10 30	673	7 30	583	90
13	✓			617	617	616	621	619	622	621	630	641	662	683	693	694	676	649	621	599	595	599	607	607	608	607	606	630	0	11 34	705	17 37	593	112
14				608	607	607	604	604	610	606	600	605	625	655	667	660	645	627	609	599	598	595	606	613	603	597	607	615	0	10 34	684	17 48	589	95
15				603	600	602	599	607	604	611	625	647	656	667	662	643	613	590	592	604	605	603	607	604	605	607	607	615	1	10 43	686	15 10	584	102
16	✓	✓		605	603	602	603	603	610	624	634	639	(647	653	648)	634	628	624	623	623	617	612	608	607	609	608	607	620	0	[10 53	655]	2 22	600	[55]
17	✓	✓		607	608	605	607	608	615	622	638	660	669	659	637	617	588	578	584	597	601	602	601	603	605	604	604	613	0	9 47	675	14 44	570	105
18	✓			605	605	604	611	612	617	624	629	634	654	660	658	650	640	625	622	613	613	605	596	591	596	598	598	619	1	10 01	680	20 37	588	92
19				601	606	608	607	607	609	610	638	660	688	696	686	660	636	604	605	607	619	614	620	601	598	600	605	624	0	10 01	703	20 58	591	112
20				609	614	610	606	607	613	619	632	657	677	686	690	674	660	632	613	610	613	618	626	617	610	614	609	630	0	10 32	700	17 09	603	97
21				612	615	616	614	613	606	601	620	629	693	719	707	665	630	583	568	579	587	594	589	592	595	590	591	617	1	9 57	750	15 02	558	192
22				595	599	599	604	607	608	616	629	663	700	714	699	669	631	607	600	597	593	605	601	599	602	604	604	623	0	9 49	723	17 20	588	135
23		✓		601	600	600	600	603	610	623	645	685	723	743	735	698	650	602	576	574	584	595	603	606	612	614	609	629	0	10 43	748	16 00	569	179
24			✓	591	598	603	605	605	611	627	648	668	693	736	706	668	611	586	582	576	590	577	570	574	587	587	586	616	1	11 00	764	16 34	569	195
25				588	581	586	593	593	603	625	653	685	722	761	735	681	582	565	540	561	587	590	593	599	594	590	595	617	1	10 18	774	15 06	530	244
26				597	599	600	602	602	602	614	628	668	725	755	754	721	673	626	594	579	586	595	600	599	599	601	602	630	0	11 02	764	16 26	577	187
27	✓	✓		603	603	603	602	606	611	622	638	667	703	713	710	675	624	582	583	597	609	610	607	602	599	600	601	624	0	11 08	733	15 38	577	156
28		✓		603	604	605	607	609	611	624	643	660	682	691	703	691	661	640	621	616	616	609	609	616	616	617	613	632	0	11 31	713	0 50	600	113
29			✓	609	607	599	596	603	607	619	630	662	669	739	776	704	631	539	450	493	533	540	536	552	556	577	574	600	2	11 54	799	15 50	433	366
30			✓	561	568	569	569	573	578	573	574	589	593	599	622	627	625	618	591	586	588	586	585	584	578	589	577	588	1	14 01	659	8 59	547	112
31				576	576	576	577	579	587	601	622	645	676	680	671	647	623	595	569	581	569	595	593	594	588	587	589	605	0	10 17	695	15 09	564	131
MEANS ALL DAYS				597	598	598	598	600	605	612	626	646	672	684	682	663	633	607	592	592	596	595	595	594	594	596	596	615						138
MEANS TEN DAYS ✲				602	602	601	603	604	608	616	629	649	670	676	676	661	635	612	602	600	602	601	602	601	602	602	602	619						106
MEANS FIVE DAYS † (G. M. T.)				604	603	602	603	605	611	620	636	661	685	691	682	660	629	601	592	597	602	601 603	602 605	601	602	603	603	621						
MEANS FIVE DAYS ‡ (G. M. T.)				579	585	585	584	587	594	602	614	627	643	667	668	648	623	598	573	578	579	569	580	575	577	587	585	600						

DECEMBER 1934

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 490

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1934

JANUARY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	91	91	91	92	91	92	94	99	97	98	105	99	93	100	103	97	96	97	95	92	90	88	87	89	94	1	14 02	112	22 25	87	25
2			✓	87	89	89	91	93	94	94	96	97	99	103	99	91	91	93	91	83	88	92	93	93	92	91	90	92	0	10 45	104	16 50	81	23
3				90	91	93	93	93	94	90	89	87	91	100	97	87	86	90	97	100	95	93	93	92	91	91	92	92	0	16 30	101	12 57	84	17
4	✓			91	91	91	92	93	92	92	93	94	92	91	90	87	88	85	82	86	92	92	92	92	92	91	91	90	0	5 05	94	15 05	82	12
5	✓	✓		91	92	93	94	96	94	93	99	101	101	99	91	83	82	84	90	92	96	98	97	95	94	93	93	93	0	8 12	102	12 53	80	22
6	✓	✓		92	92	92	93	94	93	92	96	92	91	95	94	88	89	91	88	89	97	95	92	92	91	90	91	92	0	17 40	98	12 37	87	11
7	✓			91	91	91	91	92	91	92	95	92	96	91	75	66	66	66	65	74	86	90	92	90	89	89	88	85	0	7 20	97	12 45	64	33
8	✓			86	86	88	90	93	93	96	100	101	103	97	88	78	80	90	95	89	94	93	93	92	92	91	91	92	0	9 22	105	12 50	76	29
9	✓	✓		91	91	92	93	93	92	93	95	95	95	93	90	83	90	92	94	95	96	96	93	92	90	90	90	92	0	17 50	97	12 12	83	14
10				91	90	91	91	91	92	92	91	88	86	86	89	78	73	79	87	92	93	93	94	94	94	94	92	89	0	16 29	94	13 11	69	25
11	✓			92	93	93	94	95	95	96	97	98	101	104	100	91	92	96	97	94	90	91	91	92	92	93	92	95	0	10 35	106	17 30	88	18
12	✓	✓		92	91	91	92	93	93	93	99	101	103	106	111	106	103	99	96	93	91	93	93	94	94	95	94	96	0	11 30	113	1 53	91	22
13	✓	✓		94	94	93	93	93	91	94	93	89	95	108	113	117	121	126	121	111	101	96	95	95	94	94	92	101	0	14 20	127	8 20	88	39
14			✓	91	92	92	92	95	92	93	96	98	95	93	82	84	88	94	91	92	91	92	93	93	91	90	90	92	0	8 05	102	11 25	81	21
15				90	90	90	91	92	89	93	104	109	(119)	124	125	126	131	128	117	101	95	95	95	97	96	96	96	104	0	13 02	133	5 50	86	47
16				94	93	93	96	97	98	97	97	95	90	87	77	70	71	80	87	91	96	100	99	97	97	95	95	91	0	18 45	101	12 50	69	32
17				96	97	98	99	99	99	99	98	92	89	86	84	84	91	98	102	102	104	100	98	97	96	96	95	96	0	17 12	105	12 20	83	22
18			✓	94	94	93	95	96	96	94	96	95	97	101	97	96	87	78	81	88	90	94	96	97	95	93	93	93	0	10 45	101	14 20	76	25
19				93	93	93	95	96	96	93	92	93	91	91	91	88	91	92	91	92	95	94	94	95	96	96	95	93	0	5 30	97	12 34	87	10
20				94	94	94	95	96	97	97	100	100	96	90	86	81	80	80	80	91	99	99	97	97	97	96	95	93	0	7 32	101	13 12	78	23
21				95	95	95	97	97	98	98	107	104	96	93	90	87	86	85	87	87	91	93	93	94	95	95	94	94	0	7 49	109	14 17	84	25
22				93	93	94	94	96	96	95	95	93	94	92	82	71	70	77	78	81	87	92	93	96	95	92	91	89	1	5 02	97	12 38	68	29
23				90	91	91	93	94	95	97	101	105	108	106	99	98	100	103	104	101	98	96	96	96	97	96	95	98	1	9 10	110	0 00	89	21
24				94	94	95	95	96	97	99	102	99	96	97	96	90	80	75	81	87	90	94	95	95	95	95	94	93	0	7 30	103	14 00	74	29
25				94	95	95	95	96	98	100	105	103	102	95	86	78	78	82	89	91	93	91	92	93	95	95	94	93	0	7 20	106	13 02	75	31
26				94	93	95	94	94	96	94	97	102	101	95	93	82	84	91	87	89	98	98	97	97	97	95	95	94	0	8 27	103	12 37	80	23
27	✓			95	94	95	95	95	95	96	96	93	93	101	98	97	93	89	89	90	92	93	95	95	95	95	95	94	0	10 50	104	15 05	88	16
28				95	95	95	96	97	95	97	105	102	103	109	111	110	107	104	96	96	96	96	96	97	94	91	91	99	1	12 05	113	22 25	87	26
29			✓	92	92	95	96	96	96	97	99	99	103	106	104	106	103	89	81	86	91	95	94	96	95	94	93	96	1	12 54	110	15 10	78	32
30				94	95	95	96	96	94	92	94	96	96	97	98	93	84	91	96	101	99	99	97	97	96	95	95	95	1	16 06	102	13 18	83	19
31				93	93	95	97	96	95	93	97	96	88	80	83	83	93	105	108	106	102	98	95	95	94	94	95	95	0	15 37	110	10 17	78	32
MEANS ALL DAYS				92	92	93	94	95	94	95	98	97	97	97	94	89	90	91	92	92	94	95	94	94	94	93	93	94						24
MEANS TEN DAYS ✲				92	92	92	93	94	93	94	96	96	97	98	95	90	90	92	92	91	94	94	93	93	92	92	92	93						22
MEANS FIVE DAYS (G. M. T.) †				92	92	92	93	94	93	93	96	96	97	100	100	95	97	98	98	96	96	93 96	93 94	93	93	93	92	95						
MEANS FIVE DAYS (G. M. T.) ‡				91	92	92	93	94	94	94	97	97	98	102	96	94	94	91	88	89	91	94	95	94	93	92	92	94						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 491

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1934

FEBRUARY 1934

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1	✓	✓		94	95	95	96	96	95	90	89	85	83	91	96	99	99	100	95	91	91	95	94	94	93	93	93	93	0	14 44	101	9 20	82	19
2				94	93	93	93	94	95	93	98	96	94	95	97	92	93	95	98	101	103	97	97	95	94	92	92	95	0	17 20	104	23 15	91	13
3				93	92	94	95	96	96	95	96	94	91	91	91	88	85	87	95	95	93	94	94	94	92	92	92	93	0	7 14	98	12 55	84	14
4				92	92	93	95	96	98	98	101	92	84	79	78	85	83	69	70	78	82	90	94	94	93	93	93	88	0	7 08	103	14 50	65	38
5				93	94	94	95	95	94	95	106	108	105	95	86	80	82	83	88	86	91	90	92	94	95	95	95	93	0	7 55	110	12 40	79	31
6	✓	✓		95	95	96	96	96	96	97	103	107	108	108	103	100	99	100	100	100	96	95	96	96	96	95	95	99	0	10 20	110	18 00	93	17
7	✓			95	94	96	96	97	97	97	101	102	99	103	111	111	108	90	73	72	78	87	93	94	95	95	96	95	0	11 27	113	16 00	70	43
8				95	95	95	95	95	96	98	100	96	91	82	78	79	77	71	78	82	86	89	87	88	87	89	89	88	1	7 04	101	14 15	70	31
9			✓	91	92	92	93	93	94	93	108	118	116	113	111	104	109	106	102	85	87	93	93	94	93	93	94	99	1	8 17	119	16 50	83	36
10			✓	94	94	94	94	95	93	91	102	104	104	103	95	95	95	94	94	91	90	94	94	94	95	95	94	95	1	9 57	109	6 10	88	21
11				94	94	94	94	95	94	91	91	87	87	85	84	87	93	93	90	93	95	95	95	94	94	93	94	92	0	14 00	96	10 55	83	13
12	✓			94	93	94	96	95	94	91	99	100	96	94	90	94	103	102	100	98	96	97	99	99	98	98	98	97	0	14 03	107	11 05	89	18
13	✓			98	98	99	98	99	97	95	99	97	87	82	84	88	93	108	112	108	103	101	100	99	99	98	97	97	0	15 00	113	10 17	79	34
14	✓	✓		99	99	99	100	100	98	95	96	97	101	107	104	108	119	113	100	99	99	97	97	97	98	98	98	101	0	13 30	122	6 45	94	28
15				99	100	100	100	101	99	97	102	99	(88)	82	72	77	89	100	106	102	98	95	94	94	92	93	94	95	1	15 08	109	11 28	68	41
16			✓	94	94	96	97	98	99	99	101	90	86	86	92	110	110	120	113	110	101	98	96	96	95	96	95	99	1	14 12	124	8 57	85	39
17			✓	94	93	91	94	97	99	96	99	102	101	98	91	88	83	88	91	94	95	96	96	96	97	96	94	95	1	8 20	103	13 35	81	22
18			✓	94	95	95	97	97	101	101	110	116	116	111	99	90	92	93	93	90	90	91	96	96	96	97	96	98	0	8 05	117	12 30	88	29
19				96	95	96	97	98	99	98	104	108	107	104	96	92	88	82	85	87	90	96	97	97	97	98	98	96	0	8 10	109	14 34	81	28
20				94	95	95	96	98	99	98	101	103	102	103	97	87	82	83	83	81	86	91	96	97	97	97	98	94	0	8 18	104	16 05	79	25
21				97	96	96	96	97	98	98	102	104	106	101	97	93	94	93	90	85	85	90	94	94	93	94	95	95	0	9 22	106	17 02	84	22
22	✓			95	95	96	96	97	96	94	97	97	98	101	99	96	92	94	93	90	90	95	97	98	98	98	98	96	0	10 34	103	16 40	88	15
23	✓	✓		98	98	97	97	99	98	95	93	90	83	80	80	85	87	88	87	87	87	93	96	96	94	94	94	92	0	4 30	99	10 20	79	20
24	✓			94	95	95	97	98	98	94	95	96	96	97	97	97	98	98	89	89	93	98	99	97	96	96	95	96	0	13 50	101	15 40	87	14
25				95	96	97	97	97	97	99	106	106	104	101	97	97	104	107	101	93	89	91	94	95	96	97	97	98	0	14 15	109	17 50	88	21
26	✓	✓		97	97	98	97	98	97	96	94	91	88	84	82	84	90	90	86	86	86	94	96	96	96	96	96	92	0	4 54	98	11 26	81	17
27				97	97	97	98	98	98	96	100	98	91	86	74	73	79	82	85	82	86	93	96	97	96	98	98	91	0	7 48	101	12 04	72	29
28				97	98	98	99	100	99	98	100	98	96	94	91	91	97	98	98	92	91	94	96	96	96	96	96	96	0	7 18	101	10 35	89	12
29																																		
30																																		
31																																		
MEANS ALL DAYS				95	95	96	96	97	97	96	100	99	97	95	92	92	94	94	93	91	91	94	95	95	95	95	95	95						25
MEANS TEN DAYS ✲				96	96	96	97	98	97	94	97	96	94	95	95	96	99	98	94	92	92	95	97	97	96	96	96	96						22
MEANS FIVE DAYS † (G. M. T.)				97	97	97	97	98	97	95	95	94	93	94	93	95	99	98	94	93	92	95 95	96 96	96	96	96	96	95						
MEANS FIVE DAYS ‡ (G. M. T.)				93	94	94	95	96	97	96	104	106	105	102	98	97	98	100	99	94	93	94	93	94	93	93	93	97						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 492

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1934

MARCH 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			96	96	97	99	99	99	99	104	103	98	98	99	99	99	102	99	91	90	94	98	97	95	95	96	98	0	7 48	107	17 16	88	19
2				97	97	99	99	99	99	98	105	109	106	103	105	106	103	98	94	95	93	94	95	96	97	96	96	99	1	8 28	112	15 35	93	19
3	✓			98	98	98	99	100	100	101	105	104	100	100	101	104	105	106	102	97	96	97	97	97	97	97	97	100	0	7 14	107	17 20	95	12
4			✓	98	99	99	100	100	101	98	98	96	97	99	95	93	97	96	94	96	99	100	98	99	98	96	98	98	1	18 38	102	11 26	92	10
5			✓	97	97	101	100	99	100	103	112	111	109	109	106	104	111	110	102	94	95	95	100	100	100	101	101	102	1	7 33	114	16 13	93	21
6				101	101	103	101	101	101	101	104	101	97	95	95	88	89	93	90	88	89	96	97	96	97	97	96	97	0	7 26	105	12 53	85	20
7			✓	97	97	98	97	101	101	98	99	97	96	98	104	108	107	101	96	95	95	96	99	99	98	99	99	99	1	12 53	111	8 47	93	18
8				96	98	98	99	99	99	100	100	97	92	91	93	93	91	86	82	81	85	93	96	96	96	96	96	94	0	7 10	100	16 00	80	20
9				96	96	98	99	99	99	99	102	100	99	102	102	104	100	97	93	91	92	96	95	96	96	96	97	98	0	12 27	106	16 55	89	17
10				99	98	98	100	101	101	103	109	107	105	106	108	106	104	101	95	93	95	95	97	98	98	99	96	100	1	7 42	111	16 10	92	19
11				97	99	99	99	100	100	99	102	104	106	108	110	111	106	99	93	87	89	96	98	98	99	98	97	100	1	11 00	112	16 40	86	26
12	✓	✓		98	99	101	100	101	100	97	95	95	94	97	(98)	99	(98	94)	93	93	96	99	99	99	99	100	101	98	0	2 08	101	15 32	92	9
13	✓	✓		102	101	101	102	102	103	103	103	98	97	96	98	101	103	104	96	94	96	100	101	100	99	100	100	100	0	14 02	107	16 35	93	14
14		✓		102	102	101	101	104	104	104	107	110	116	122	122	123	121	117	110	104	100	98	100	99	99	99	100	107	0	10 43	125	18 20	98	27
15				100	101	102	103	104	105	102	103	105	108	(105)	106	112	114	111	111	110	103	102	102	102	101	100	101	105	0	13 25	116	21 46	99	17
16				100	101	103	104	104	104	104	110	113	111	109	107	101	95	93	93	92	93	97	97	98	99	101	102	101	1	8 18	114	16 12	91	23
17	✓			101	101	102	103	103	104	103	104	102	99	96	96	96	93	87	85	93	97	98	100	101	101	102	102	99	0	7 04	106	14 51	83	23
18	✓			101	102	104	103	103	104	106	112	113	111	106	103	104	102	97	94	98	99	99	101	102	101	101	102	103	0	7 40	113	15 10	93	20
19	✓	✓		101	101	102	102	103	102	105	111	114	113	111	108	107	104	96	88	92	96	98	100	101	101	101	100	102	0	8 35	114	15 35	85	29
20	✓	✓		100	101	103	103	104	104	104	107	111	114	113	110	107	105	94	85	86	95	97	99	100	102	102	102	102	0	9 27	115	15 47	82	33
21				102	102	102	104	104	103	103	106	109	107	109	113	115	109	103	99	100	100	101	101	101	101	100	99	104	0	12 26	117	15 46	98	19
22				99	100	101	103	103	104	105	104	103	101	103	104	103	100	96	89	90	92	96	100	101	102	101	102	100	1	11 36	106	15 16	87	19
23				102	101	102	104	104	103	104	108	108	104	107	108	106	106	106	104	103	104	104	102	102	102	103	103	104	0	7 35	109	1 26	100	9
24				102	103	104	104	105	105	104	104	104	99	93	89	89	88	88	88	90	96	97	95	95	99	103	104	98	0	5 30	106	12 00	87	19
25			✓	103	103	104	104	105	105	103	110	111	106	102	104	104	95	92	98	97	101	102	103	103	102	102	102	103	1	8 20	115	14 00	91	24
26	✓			102	103	103	104	104	104	106	109	109	108	109	110	111	106	98	96	94	95	98	100	102	102	103	103	103	0	12 25	112	16 47	93	19
27	✓			103	104	105	105	105	105	105	107	102	102	98	98	96	99	101	106	106	103	104	102	102	103	103	103	103	0	7 27	108	12 28	96	12
28				105	105	104	105	105	105	104	103	98	98	95	96	98	99	101	103	99	100	100	99	101	104	103	105	101	0	23 30	106	10 34	94	12
29				101	103	104	104	104	105	105	107	106	106	104	103	105	108	107	107	105	101	101	102	102	102	102	103	104	0	14 56	108	18 05	99	9
30				104	104	104	105	106	105	102	100	99	94	89	89	90	94	95	101	100	99	101	99	103	103	104	102	100	0	4 05	106	10 28	88	18
31			✓	104	104	106	108	104	106	103	100	105	102	104	113	119	114	110	107	107	106	105	103	103	103	104	105	106	1	12 44	120	10 04	101	19
MEANS ALL DAYS				100	101	101	102	102	103	102	105	105	103	102	103	103	102	99	96	96	96	98	99	100	100	100	100	101						19
MEANS TEN DAYS ✲				100	101	102	102	102	102	103	106	105	104	102	102	102	101	98	94	94	96	98	100	100	100	100	101	101						19
MEANS FIVE DAYS (G. M. T.) †				101	101	102	102	103	103	103	105	106	107	108	107	107	106	101	94	94	97	98 98	100 100	100	100	100	100	102						
MEANS FIVE DAYS (G. M. T.) ‡				100	100	102	102	102	103	101	104	104	102	102	104	106	105	102	99	98	99	100	97	98	99	99	99	101						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 493

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1934

APRIL 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	106	106	106	107	107	108	107	104	97	90	88	87	93	92	93	101	101	101	103	103	102	103	104	102	100	1	5 43	110	11 20	86	24
2				103	104	107	107	107	107	107	108	106	103	96	95	95	96	99	104	105	102	101	102	102	103	103	102	103	0	7 04	109	12 20	93	16
3				103	105	107	107	108	108	108	108	108	104	99	95	90	85	85	85	90	96	103	103	102	103	102	102	100	0	5 25	109	13 18	84	25
4			✓	103	104	104	105	106	106	105	108	106	106	103	97	90	82	81	88	90	97	100	104	105	104	103	103	100	0	7 17	109	14 17	80	29
5			✓	104	102	104	106	106	106	111	118	113	107	101	96	84	80	80	84	92	94	99	101	102	102	104	105	100	1	7 34	120	13 30	79	41
6			✓	106	105	105	108	109	105	109	113	110	103	100	101	99	97	97	99	101	103	106	105	106	104	104	103	104	1	8 10	114	13 20	97	17
7				104	105	107	107	106	107	108	110	109	104	96	92	90	85	81	83	90	95	100	101	102	104	107	107	100	0	7 02	111	14 46	79	32
8				105	106	106	106	106	106	106	108	111	111	107	104	101	94	88	89	92	97	101	101	102	103	103	103	102	0	8 09	112	14 20	87	25
9				104	104	105	105	105	106	104	102	102	99	92	87	84	86	89	91	92	97	101	101	102	104	104	103	99	0	5 50	107	12 37	83	24
10	✓			103	103	103	104	105	105	103	104	106	101	94	91	92	89	92	94	95	98	100	102	102	103	102	103	100	0	8 05	106	13 25	88	18
11				104	104	104	105	106	106	103	100	98	94	90	93	97	100	104	108	107	106	103	103	102	103	102	103	102	0	15 12	109	10 24	89	20
12				103	105	105	105	106	107	106	104	100	94	89	89	90	96	102	107	108	107	104	102	103	104	104	104	102	0	15 54	110	10 31	88	22
13	✓	✓		104	105	105	107	108	108	106	104	99	92	85	87	94	101	110	110	108	105	103	102	102	103	103	103	102	0	14 58	113	10 52	84	29
14	✓			104	104	105	105	107	106	107	106	103	98	93	93	97	102	101	100	101	103	102	101	101	101	101	103	102	0	6 29	108	10 58	90	18
15				104	104	105	106	106	106	108	107	100	90	82	77	78	82	92	97	98	99	98	101	102	103	103	102	98	0	6 45	109	11 40	76	33
16			✓	101	103	104	105	108	107	109	108	101	94	(85)	80	78	81	85	90	97	101	102	102	103	103	103	104	98	1	6 30	109	12 12	76	33
17	✓	✓		105	105	106	106	107	108	110	112	109	104	97	91	93	95	96	95	98	102	101	101	102	102	103	104	102	0	7 05	113	11 32	90	23
18		✓		103	104	104	105	108	107	110	115	114	109	104	98	95	97	99	98	100	102	102	103	105	105	106	105	104	0	7 31	116	12 02	95	21
19				105	106	106	106	106	106	111	116	115	108	104	102	105	104	103	99	100	102	104	105	105	104	104	103	105	0	7 43	118	15 50	98	20
20				103	106	106	106	106	106	110	118	121	116	111	105	103	99	100	101	101	102	105	105	105	104	104	105	106	0	8 06	124	13 35	97	27
21	✓			105	105	106	106	109	108	110	111	113	112	109	108	113	115	111	109	106	104	103	105	107	106	106	107	108	0	13 18	116	17 24	103	13
22				106	106	107	108	108	108	106	104	101	102	103	105	108	104	102	96	95	100	103	103	104	105	106	105	104	0	12 40	109	16 00	95	14
23	✓	✓		105	106	105	106	106	105	104	103	103	101	102	104	110	115	119	115	110	106	106	106	107	106	105	105	107	0	14 49	120	9 25	100	20
24				105	105	106	107	107	107	107	105	104	102	99	98	96	91	88	89	92	98	103	104	105	105	104	105	101	0	6 05	108	14 30	87	21
25				105	106	106	107	107	106	106	106	107	103	99	95	94	97	101	102	102	103	104	106	106	107	107	107	104	0	8 15	108	12 20	93	15
26	✓			107	107	107	107	107	108	107	107	108	106	104	101	103	103	104	106	103	105	105	105	106	107	107	108	106	0	5 58	109	11 10	99	10
27	✓			108	109	109	109	109	108	106	102	96	90	87	89	89	95	107	112	109	105	104	105	105	105	106	106	103	0	15 30	113	10 20	87	26
28	✓			108	109	109	109	110	109	108	103	96	88	81	81	89	94	93	100	108	106	105	106	105	105	105	106	101	0	5 01	110	11 04	79	31
29	✓	✓		106	107	108	108	109	109	109	107	105	101	96	92	90	89	93	98	103	105	104	103	105	105	105	105	103	0	6 00	109	12 46	88	21
30				106	108	108	108	109	110	111	111	106	96	87	81	83	84	86	94	101	106	103	104	104	106	106	105	101	0	7 00	111	11 30	80	31
31																																		
MEANS ALL DAYS				105	105	106	106	107	107	107	108	106	101	96	94	94	94	96	98	100	102	103	103	104	104	104	104	102						23
MEANS TEN DAYS ✲				106	106	106	107	108	107	107	106	104	99	95	94	97	100	103	104	104	104	103	104	104	104	104	105	103						21
MEANS FIVE DAYS † (G. M. T.)				105	105	106	106	108	107	108	108	106	101	97	94	96	99	103	103	104	104	103 103 103 103		103	104	104	105	103						
MEANS FIVE DAYS ‡ (G. M. T.)				104	104	105	106	107	106	108	110	105	100	95	92	89	86	87	92	96	99	102	102	103	103	103	103	100						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 494

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1934 — MAY 1934

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M	MAXIMUM	MINIMUM H M	MINIMUM	RANGE
1				106	106	108	108	108	108	109	105	100	95	86	83	83	88	96	101	103	104	105	105	106	106	106	106	101	0	5 54	110	11 30	81	29
2			✓	105	107	108	107	107	108	109	107	106	101	97	96	93	90	98	97	101	105	103	103	103	106	108	107	103	1	6 54	110	13 10	89	21
3			✓	106	106	109	110	111	112	114	118	119	116	113	114	110	110	108	109	108	107	106	108	108	108	107	107	110	1	8 05	120	16 47	105	15
4				107	108	109	109	110	111	110	107	103	103	101	98	94	90	92	90	96	102	107	109	108	108	107	108	104	0	6 29	112	13 22	88	24
5				109	109	109	110	110	110	112	117	116	112	109	97	86	80	81	85	94	101	106	105	106	105	106	106	103	0	7 28	117	13 11	79	38
6	✓			107	107	108	109	109	109	109	109	107	104	99	98	92	89	88	89	93	100	105	105	107	108	108	107	103	0	6 20	110	14 14	87	23
7				107	107	108	109	109	109	110	113	111	105	103	97	90	91	92	94	98	102	104	104	106	107	108	108	104	0	7 29	114	12 40	89	25
8	✓			107	106	107	107	107	108	109	115	118	118	119	117	110	103	100	101	100	101	102	105	107	108	109	109	108	0	10 30	119	16 25	99	20
9				108	108	108	109	109	109	108	107	107	102	96	92	93	96	98	99	100	103	105	105	105	106	107	107	104	0	5 00	109	12 07	91	18
10				109	109	109	109	110	110	109	103	97	95	95	91	92	94	95	95	98	102	106	107	107	108	107	106	103	0	6 10	111	12 10	89	22
11			✓	107	108	108	108	109	109	111	106	101	99	98	92	93	99	102	102	101	102	100	109	110	110	107	107	104	1	6 15	113	11 52	90	23
12			✓	108	108	108	108	109	111	112	103	89	78	74	77	78	88	94	97	98	103	103	106	106	106	107	107	99	1	6 17	113	10 10	73	40
13				107	107	108	108	108	109	111	112	107	104	103	103	103	101	101	100	100	102	105	105	106	106	107	107	105	0	7 05	113	13 50	98	15
14		✓		107	108	108	109	109	110	112	112	114	115	(112)	111	108	101	103	104	102	102	106	105	106	107	108	109	108	0	9 03	116	13 45	99	17
15	✓	✓		109	110	110	111	112	112	111	107	104	101	103	100	100	98	99	95	96	100	104	104	104	105	105	105	104	0	6 10	113	15 50	93	20
16	✓	✓		108	108	109	109	110	111	110	107	107	108	111	110	99	92	91	94	98	101	106	105	105	106	106	106	105	0	6 00	112	14 05	90	22
17				107	109	108	109	110	110	111	111	105	98	96	95	94	93	91	97	101	105	106	106	106	106	106	108	104	0	6 40	112	14 04	89	23
18			✓	107	108	106	108	106	108	108	108	103	103	96	99	97	95	97	103	103	104	104	103	107	107	108	108	104	1	1 32	110	12 50	93	17
19				108	109	110	109	108	110	110	110	110	107	107	108	103	98	96	97	101	104	106	107	108	108	108	108	106	1	6 20	111	14 20	94	17
20				108	109	109	110	110	111	113	109	102	93	86	87	88	84	82	91	98	104	105	107	108	108	108	109	102	0	6 39	114	13 50	80	34
21				108	109	111	111	110	112	111	106	100	95	95	92	90	83	84	90	96	105	106	106	109	109	109	109	102	0	6 21	112	13 40	81	31
22				109	108	107	109	110	110	112	112	111	104	102	102	103	102	96	99	105	108	108	108	109	109	110	111	107	1	7 40	113	14 29	94	19
23				111	111	111	110	110	110	113	112	109	107	107	104	100	96	92	89	94	103	107	108	109	111	111	111	106	0	6 50	114	15 18	86	28
24				112	110	110	110	110	110	112	114	110	112	114	116	122	106	94	99	103	107	108	108	110	111	111	111	110	0	12 31	124	14 30	93	31
25				111	112	111	111	111	111	113	109	105	105	111	116	113	104	101	104	102	106	107	108	110	109	110	110	109	1	11 41	117	14 13	100	17
26	✓			110	111	112	112	111	111	113	113	108	104	107	112	115	114	111	107	103	104	108	110	110	111	111	111	110	0	12 58	115	16 30	102	13
27	✓	✓		110	110	110	110	110	110	110	106	103	100	97	98	102	109	103	104	102	106	109	110	111	111	111	111	107	0	23 00	112	10 43	95	17
28	✓	✓		111	111	111	111	111	112	113	110	105	95	91	93	93	97	99	102	105	107	109	108	109	110	110	110	106	0	6 20	114	10 30	89	25
29	✓			111	111	112	112	112	113	115	109	104	96	88	86	90	94	100	98	101	106	109	110	110	110	111	109	105	0	6 22	116	11 44	85	31
30	✓			109	110	111	111	111	111	111	110	106	99	95	95	94	92	98	99	104	106	109	109	110	110	110	110	105	0	2 40	112	13 19	90	22
31	✓			110	111	111	111	111	111	113	110	108	104	99	93	98	105	103	98	100	106	110	110	111	111	110	111	107	0	6 24	114	11 40	93	21
MEANS ALL DAYS				108	109	109	109	110	110	111	110	106	103	100	99	98	96	96	98	100	104	106	107	108	108	108	108	105						23
MEANS TEN DAYS ✲				109	110	110	110	110	111	111	110	107	103	101	100	99	99	99	99	100	104	107	108	108	109	109	109	106						21
MEANS FIVE DAYS † (G. M. T.)				109	109	110	110	110	111	111	108	107	104	103	102	100	99	99	100	101	103	106 107	107 106	107	108	108	109	106						
MEANS FIVE DAYS ‡ (G. M. T.)				107	107	108	108	108	110	111	108	104	99	96	96	94	96	100	102	102	104	103	106	106	107	107	107	104						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 495

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1934 — JUNE 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			112	112	112	112	112	112	114	120	120	116	113	113	114	108	99	101	104	109	111	111	112	112	112	113	111	0	7 50	121	14 26	98	23
2	✓	✓		113	113	113	113	113	113	115	116	108	102	102	106	106	99	100	104	106	109	111	111	112	113	113	113	109	0	6 30	116	13 30	98	18
3	✓	✓		112	112	113	113	113	113	113	111	107	102	99	104	108	101	107	106	105	109	109	110	111	111	112	112	109	0	5 04	114	10 40	97	17
4				112	111	112	112	112	112	112	115	116	112	108	113	109	105	102	98	102	106	108	107	106	107	108	108	109	1	8 41	117	15 45	97	20
5			✓	113	112	112	112	110	114	112	112	112	106	99	94	97	94	97	103	104	107	106	108	109	111	111	111	107	1	0 22	114	13 50	88	26
6			✓	112	110	114	112	112	114	114	116	112	107	103	101	102	106	106	105	104	109	109	108	109	110	111	110	109	1	7 11	117	11 14	99	18
7				111	112	112	112	112	112	113	114	115	111	108	106	104	105	109	106	100	105	108	110	111	111	111	111	110	1	8 20	116	16 30	99	17
8				111	111	111	111	112	112	113	111	106	100	94	99	102	100	95	98	104	105	109	111	111	110	109	109	106	0	6 20	114	14 09	92	22
9				111	111	112	111	111	111	112	109	104	97	93	94	92	91	90	88	96	102	105	107	108	108	108	109	103	0	2 23	113	16 18	86	27
10	✓			109	109	110	109	110	108	111	112	111	105	97	100	95	86	92	97	101	106	108	107	107	108	108	108	105	0	7 20	113	13 20	85	28
11			✓	108	109	109	110	110	110	112	114	110	110	110	112	116	113	111	107	104	105	107	107	110	112	110	108	110	1	12 10	117	16 50	103	14
12			✓	111	111	112	111	111	111	114	114	110	99	90	84	85	88	93	96	98	102	106	106	107	108	108	107	103	1	6 46	115	11 39	81	34
13	✓			107	108	108	108	109	109	113	114	113	111	109	110	111	102	100	96	94	100	104	106	106	107	107	107	107	0	8 08	116	16 17	92	24
14				109	109	109	109	109	109	109	110	107	102	95	91	91	92	98	101	98	100	104	108	108	108	107	107	104	1	7 10	111	11 40	90	21
15				108	111	109	109	111	111	112	110	105	(94	97	95)	95	91	92	98	97	103	106	108	109	109	109	109	104	1	1 33	113	14 20	89	24
16				108	109	109	111	111	111	112	113	106	100	95	91	97	103	102	100	102	104	106	108	109	109	111	109	106	0	7 18	114	11 26	90	24
17				110	109	109	110	110	111	111	113	111	112	112	111	112	107	104	103	103	105	108	109	109	110	110	111	109	0	7 24	114	16 30	102	12
18			✓	110	110	110	111	111	112	114	109	99	95	95	91	95	98	96	99	102	105	107	108	110	110	110	110	105	1	6 29	115	11 34	90	25
19				109	110	110	110	111	111	111	108	105	101	100	104	106	104	98	97	98	104	106	107	109	109	110	109	106	0	6 18	112	16 03	95	17
20				110	108	109	109	110	110	110	112	112	110	109	105	104	108	106	101	97	103	107	108	109	110	110	109	108	0	8 03	113	16 13	95	18
21		✓		109	110	110	110	111	110	110	113	113	110	108	105	105	99	92	90	96	104	108	109	109	110	111	110	107	0	8 02	115	14 45	88	27
22	✓	✓		110	110	110	111	111	111	114	113	109	106	108	110	107	109	110	105	106	108	109	110	110	111	111	111	110	0	7 00	116	15 25	103	13
23				111	111	111	112	112	111	112	118	125	125	116	111	104	98	96	101	103	105	109	109	112	112	112	112	110	0	8 56	127	14 10	94	33
24	✓			111	111	111	112	112	112	113	116	123	124	131	135	141	138	122	113	106	106	111	112	113	113	114	114	117	1	13 02	145	16 55	94	51
25	✓			114	114	114	113	113	114	116	118	117	111	105	101	97	88	83	91	101	109	112	112	112	112	112	112	108	0	7 36	119	14 06	81	38
26	✓	✓		114	113	114	114	113	113	114	115	107	106	110	108	104	95	92	94	100	105	107	110	111	112	112	112	108	0	7 00	117	14 42	91	26
27				113	113	113	113	113	114	114	112	108	110	111	114	113	112	108	109	109	110	110	110	112	113	113	113	112	1	6 19	115	9 05	107	8
28				113	113	113	114	114	114	116	117	112	108	106	103	104	107	105	103	101	106	108	110	110	111	111	112	110	1	7 00	118	16 48	98	20
29	✓			113	113	113	113	113	113	111	108	105	101	97	96	94	97	92	91	95	104	111	111	111	112	112	112	106	0	5 08	114	15 02	89	25
30				112	112	112	112	113	113	115	115	109	106	105	103	103	103	104	106	106	107	109	111	112	112	114	109	109	0	22 42	117	12 13	102	15
31																																		
MEANS ALL DAYS				111	111	111	111	112	112	113	113	111	107	104	104	104	102	100	100	101	105	108	109	110	110	111	110	108						23
MEANS TEN DAYS ✲				112	112	112	112	112	112	113	114	112	108	107	108	108	102	100	100	102	106	109	110	110	111	111	111	109						26
MEANS FIVE DAYS † (G. M. T.)				112	112	112	112	112	112	113	114	109	105	105	107	106	101	100	100	103	107	110 110 109 110		111	111	112	111	109						
MEANS FIVE DAYS ‡ (G. M. T.)				111	110	111	111	111	112	113	113	109	103	99	96	99	100	101	102	102	106	107	108	108	110	109	109	107						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 496

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1934 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) JULY 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				111	113	112	112	114	113	114	109	105	101	99	102	96	101	98	103	104	107	108	109	111	111	112	111	107	1	6 23	115	12 25	95	20
2	✓			112	112	114	113	113	113	114	113	112	108	106	107	109	109	106	105	106	108	110	110	112	112	112	113	110	0	6 24	115	14 22	104	11
3			✓	113	113	113	113	113	116	122	121	108	101	97	93	92	90	86	93	99	107	111	111	112	111	113	112	107	1	7 05	126	14 16	85	41
4			✓	112	112	112	113	114	114	115	122	124	124	119	115	115	114	110	105	104	106	106	108	109	111	111	111	113	1	9 03	127	16 06	101	26
5				109	110	111	111	112	114	116	114	108	105	108	106	106	103	105	107	105	107	109	109	111	112	111	112	109	1	6 47	117	13 15	102	15
6				113	112	112	112	113	114	117	118	111	108	107	103	102	104	107	111	106	107	109	111	111	112	112	112	110	1	6 50	119	12 37	101	18
7				112	112	112	114	114	115	116	113	110	107	103	101	99	96	99	105	105	106	110	111	112	112	112	112	109	0	6 25	117	13 24	95	22
8	✓			113	112	113	114	114	115	116	113	107	101	102	104	107	108	105	103	103	105	111	111	112	113	112	111	109	0	6 28	117	10 00	100	17
9				112	113	114	114	114	115	119	120	114	108	104	102	102	102	102	101	101	106	109	111	112	112	112	112	110	0	6 46	121	15 32	99	22
10	✓	✓		113	113	113	113	114	114	116	110	102	96	92	90	94	101	101	103	107	110	112	111	111	113	113	113	107	0	6 20	117	11 16	88	29
11				113	112	113	113	114	116	119	118	112	105	103	103	103	103	104	107	106	105	108	110	111	112	112	112	110	0	6 25	120	11 57	100	20
12	✓			112	112	113	114	114	113	114	117	117	111	113	110	110	114	115	108	103	108	111	111	111	112	112	112	112	0	8 37	118	16 33	102	16
13				112	112	113	114	115	115	117	117	114	112	113	110	105	99	100	101	99	103	110	110	111	111	112	112	110	0	7 03	119	13 35	97	22
14				112	112	112	113	113	115	114	112	109	109	108	107	110	103	106	114	111	110	110	109	109	109	111	112	110	0	5 18	115	13 50	102	13
15				112	113	115	115	114	114	116	116	111	109	110	115	121	112	107	108	106	105	109	110	109	111	112	113	112	0	12 30	123	17 20	104	19
16				112	111	112	113	113	114	115	119	117	107	(104)	102	109	110	112	110	107	108	112	113	113	114	115	115	112	0	7 41	120	[11 10	100	20]
17				115	116	116	117	117	117	117	117	117	114	111	105	103	105	108	112	110	113	115	117	117	117	116	117	114	0	6 16	118	12 03	102	16
18	✓	✓		116	117	117	117	118	118	118	119	115	111	110	103	103	105	113	116	114	112	115	115	116	116	116	117	114	0	7 30	119	11 27	101	18
19		✓		116	117	117	117	117	117	117	119	122	120	121	121	122	123	120	114	108	109	113	114	115	116	116	116	117	0	8 03	123	16 46	107	16
20	✓			115	116	116	116	116	117	118	115	113	108	98	97	105	103	105	104	107	109	112	113	115	115	115	115	111	0	5 45	118	11 01	93	25
21				115	115	115	115	115	116	117	115	112	111	104	98	98	105	109	105	104	109	113	113	114	115	115	116	111	0	6 17	118	12 20	97	21
22	✓	✓		116	116	115	115	115	115	116	118	116	109	110	110	109	106	103	98	98	104	109	112	113	114	114	114	111	0	7 45	119	15 47	96	23
23	✓	✓		114	114	114	114	114	114	114	114	110	106	110	111	110	108	110	114	113	114	114	114	114	115	115	115	113	0	7 30	115	9 30	104	11
24				115	114	115	116	117	117	119	117	115	107	102	103	108	110	110	109	104	105	110	112	113	114	114	114	112	0	6 30	121	10 33	99	22
25	✓			115	116	116	116	117	116	117	117	116	115	115	113	112	106	110	112	109	112	112	113	114	114	114	115	114	0	4 16	118	13 18	104	14
26				116	117	118	118	117	118	123	117	104	97	97	101	104	102	108	112	111	112	113	114	115	116	115	116	112	0	6 27	125	9 55	96	29
27	✓			116	117	118	117	118	118	119	119	118	112	103	97	101	106	103	103	111	116	115	114	115	116	116	116	113	0	6 06	120	11 18	95	25
28				116	116	117	117	119	119	121	115	110	100	94	90	92	91	99	103	107	109	112	114	114	115	114	115	109	0	6 35	123	11 30	89	34
29			✓	116	116	117	117	117	118	118	114	112	112	105	98	90	90	101	105	113	117	118	118	119	118	122	116	112	0	22 24	127	12 53	87	40
30			✓	114	106	110	115	113	119	120	131	141	138	130	120	112	104	100	101	101	104	113	114	115	116	115	115	115	2	8 35	146	16 00	100	46
31			✓	114	114	115	116	118	118	118	116	113	111	109	114	117	121	122	120	118	113	114	114	114	115	114	117	116	1	13 17	124	10 56	106	18
MEANS ALL DAYS				114	114	114	115	115	116	117	117	113	109	107	105	105	105	106	107	106	109	111	112	113	114	114	114	111						22
MEANS TEN DAYS ✲				114	114	115	115	115	115	116	116	113	108	106	104	106	107	107	107	107	110	112	112	113	114	114	114	111						19
MEANS FIVE DAYS (G. M. T.) †				115	115	115	115	116	116	116	116	113	108	109	107	108	109	109	109	108	110	112 113	114 113	114	115	115	115	112						
MEANS FIVE DAYS (G. M. T.) ‡				114	112	113	115	115	117	119	121	120	117	112	108	105	104	104	105	107	109	112	113	114	114	115	114	113						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 497

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES EXPRESSED IN GAMMAS

AUGUST 1934 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME) AUGUST 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				115	115	116	118	118	118	119	117	115	113	117	117	116	119	115	111	108	110	114	112	113	114	114	115	115	1	6 13	121	16 48	107	14
2				117	118	117	117	118	119	121	122	118	121	120	122	113	104	98	97	100	107	111	113	114	115	114	116	114	1	11 00	124	15 24	94	30
3			✓	113	115	117	117	117	118	119	120	121	120	119	116	109	104	107	108	110	112	113	115	117	117	116	116	115	1	8 27	123	12 47	102	21
4			✓	115	113	115	118	119	120	121	121	115	110	109	108	107	111	112	109	105	107	112	113	114	115	113	116	113	1	6 53	122	16 07	104	18
5				116	117	118	118	118	119	122	117	108	107	106	111	117	113	105	102	105	108	112	114	116	116	115	116	113	1	6 20	125	15 20	101	24
6				116	116	116	117	115	116	118	114	107	105	103	106	111	115	116	114	107	109	113	115	116	117	117	117	113	1	6 20	119	10 31	102	17
7	✓			116	116	117	118	118	117	122	117	111	108	110	116	119	114	112	112	107	110	112	112	114	115	114	114	114	0	6 17	125	16 09	106	19
8	✓			115	115	115	115	116	117	117	113	109	106	101	97	99	102	106	108	106	107	111	112	113	113	113	113	110	0	6 23	118	11 30	95	23
9	✓	✓		113	113	113	114	114	114	116	113	107	103	102	101	104	106	99	99	101	103	108	108	109	111	111	110	108	0	6 16	117	14 40	98	19
10		✓		112	112	112	112	113	114	115	115	115	113	114	113	110	111	108	108	108	108	110	111	112	110	113	113	112	0	6 16	117	14 25	107	10
11	✓			113	114	114	114	115	116	115	107	99	93	95	100	102	102	97	93	97	106	109	111	113	115	115	114	107	0	6 15	117	10 00	92	25
12				114	114	115	116	116	117	117	113	105	104	106	106	99	93	86	84	88	97	105	112	112	113	112	112	106	1	6 25	118	14 56	82	36
13				113	113	114	114	115	116	116	115	108	99	98	100	104	103	104	101	101	106	111	111	112	112	113	113	109	1	6 38	117	9 56	96	21
14				112	112	113	113	114	114	117	114	100	93	91	94	100	104	104	106	109	110	110	112	112	112	112	112	108	1	6 50	117	10 00	90	27
15	✓			112	113	112	112	113	116	118	114	103	97	93	94	93	94	95	95	98	105	111	111	111	113	112	112	106	0	6 23	119	13 00	91	28
16	✓			112	112	112	112	113	114	117	117	114	(110	103	94)	92	94	93	100	108	111	111	110	112	112	113	113	108	0	6 56	118	12 27	90	28
17				111	111	112	112	115	116	118	114	110	107	104	103	97	100	105	107	108	113	112	112	112	111	112	112	110	1	6 30	119	12 41	96	23
18				113	113	113	113	115	117	116	114	112	104	99	100	100	107	110	105	103	107	110	109	111	111	112	112	109	0	5 20	118	11 51	99	19
19				112	112	113	114	116	118	116	115	112	106	107	112	106	96	94	102	106	110	111	111	111	112	112	112	110	1	5 44	119	13 52	91	28
20	✓	✓		113	114	114	114	115	115	113	109	105	105	105	108	111	114	108	109	108	111	112	113	114	115	115	113	111	0	6 06	117	8 52	103	14
21				113	112	112	115	115	116	117	121	117	117	116	114	110	107	105	105	108	108	111	111	112	112	113	114	113	1	7 18	123	14 05	104	19
22				113	114	112	115	115	114	118	121	122	118	119	120	118	115	110	113	111	110	111	112	113	114	115	115	115	1	8 04	126	17 10	109	17
23	✓			115	116	116	116	116	118	120	123	125	125	123	123	118	116	113	112	111	107	112	113	115	114	115	116	117	0	8 04	127	17 10	106	21
24	✓	✓		114	114	115	117	116	117	119	120	120	115	103	99	98	101	102	101	107	111	112	113	114	115	115	115	111	0	7 09	121	12 04	97	24
25	✓	✓		115	115	115	116	116	117	120	120	115	102	95	88	91	94	99	101	102	107	111	112	114	115	114	115	109	0	6 40	121	11 50	88	33
26				116	116	117	118	118	118	120	122	121	113	104	101	101	111	114	102	100	106	109	113	113	112	113	115	112	1	7 30	123	16 04	97	26
27			✓	109	113	114	118	118	118	120	124	121	113	108	110	113	111	107	100	98	105	111	112	112	112	110	111	112	1	7 41	125	15 56	96	29
28			✓	113	112	112	114	116	116	119	125	122	118	115	112	108	107	111	109	110	113	117	115	115	114	114	113	114	1	7 31	128	12 48	106	22
29			✓	116	114	115	114	115	118	120	116	111	107	98	95	89	88	88	94	97	105	111	112	111	112	112	111	107	1	6 59	122	14 10	87	35
30				110	112	113	114	114	115	118	121	118	117	113	111	113	109	108	108	109	110	111	113	113	114	113	114	113	0	7 33	123	14 13	107	16
31				114	115	115	115	116	116	115	117	120	118	118	120	123	120	112	107	108	112	114	116	117	116	116	116	116	0	12 30	123	15 54	104	19
MEANS ALL DAYS				114	114	114	115	116	117	118	117	113	109	107	107	106	106	105	104	105	108	111	112	113	114	114	114	111						23
MEANS TEN DAYS ✲				114	114	114	115	115	116	118	115	111	106	103	102	103	104	102	103	104	108	111	112	113	114	114	114	110						23
MEANS FIVE DAYS † (G. M. T.)				113	114	114	115	115	115	117	115	112	108	104	102	103	105	103	104	105	108	111 111 111 111	111 111 111 111	112	113	113	113	110						
MEANS FIVE DAYS ‡ (G. M. T.)				113	113	115	116	117	118	120	121	118	114	110	108	105	104	105	104	104	108	113	114	114	114	113	114	112						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 498

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1934

SEPTEMBER 1934

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				116	116	119	119	120	121	122	118	118	115	107	101	100	104	110	112	111	110	115	115	115	115	115	117	114	0	6	20	123	12	35	98	25
2			✓	116	114	116	118	119	118	120	124	123	118	118	109	108	103	101	102	103	106	110	111	112	116	117	117	113	0	8	04	127	14	40	100	27
3				116	116	116	117	118	121	118	115	115	116	111	104	104	106	108	110	111	112	113	115	116	116	117	116	114	0	5	25	122	12	26	101	21
4				117	117	117	117	119	120	121	120	119	111	100	95	91	95	95	96	104	109	114	114	115	116	116	115	111	0	6	43	123	12	27	90	33
5	✓			116	116	117	117	118	120	120	120	118	113	110	103	102	100	98	98	105	109	112	113	114	115	115	115	112	0	6	00	123	15	00	96	27
6				116	116	116	116	118	119	118	115	106	99	95	94	95	95	95	102	105	109	113	113	113	115	113	113	109	0	6	00	121	11	10	93	28
7	✓			114	115	116	116	116	118	117	111	99	89	84	84	91	96	96	96	107	110	112	113	113	113	114	114	106	0	6	00	120	11	10	83	37
8	✓			114	114	115	116	117	119	116	109	106	104	101	100	108	114	116	114	112	112	113	114	114	115	115	115	112	1	6	00	122	11	10	97	25
9	✓	✓		115	116	116	117	119	119	119	117	114	112	111	110	110	108	105	111	115	116	115	114	115	115	114	114	114	0	6	00	121	14	06	104	17
10	✓	✓		115	115	116	117	118	118	118	119	119	115	111	113	115	105	96	93	99	104	111	113	114	115	116	116	112	0	7	03	120	15	03	91	29
11				115	115	116	117	118	118	118	113	107	100	94	94	99	99	93	90	99	108	115	113	114	112	112	113	108	1	6	10	120	15	03	87	33
12	✓			114	115	117	117	117	118	117	113	105	100	99	95	95	100	102	100	103	108	112	112	112	113	113	113	109	0	6	16	121	11	40	94	27
13	✓	✓		114	115	115	115	117	117	116	114	119	117	107	101	105	105	100	102	105	110	112	113	113	113	113	115	111	0	8	50	120	14	45	98	22
14	✓	✓		115	115	116	116	116	117	117	114	111	100	(91	94)	98	98	102	105	110	114	114	113	113	114	115	115	110	0	6	07	119	[10	50	88	31]
15	✓			115	116	117	117	118	119	118	116	115	113	113	113	117	115	110	106	107	110	112	113	115	113	111	113	114	0	6	00	121	15	48	105	16
16				114	115	117	117	118	119	118	118	114	109	107	103	102	100	98	101	106	111	114	112	113	113	115	116	111	1	6	00	120	14	20	95	25
17				116	115	115	114	119	117	119	120	119	113	104	104	105	102	96	89	96	105	110	113	114	114	114	114	110	1	7	37	122	15	10	88	34
18	✓			115	115	116	117	117	117	119	120	120	117	114	116	120	114	105	103	102	107	111	113	114	115	116	116	114	0	6	57	121	15	23	101	20
19				117	116	115	116	118	118	116	118	116	109	109	110	112	117	116	113	107	108	111	114	114	116	117	117	114	1	5	10	119	16	58	106	13
20				117	117	117	118	117	118	117	116	114	110	104	107	112	113	116	117	115	112	112	114	114	115	116	116	114	1	4	57	120	10	50	100	20
21				117	117	117	118	118	119	120	117	111	104	100	99	100	96	96	100	102	106	110	111	113	111	113	114	110	0	6	05	122	13	56	93	29
22				117	118	118	119	119	118	118	113	104	93	89	93	98	98	101	103	107	111	112	113	113	115	115	115	109	1	3	56	120	10	30	87	33
23		✓		116	116	117	117	118	119	121	116	109	99	94	101	105	105	98	102	107	107	111	111	112	113	113	112	110	0	6	15	122	10	20	93	29
24			✓	112	112	115	118	117	117	119	123	123	115	110	112	111	104	102	106	111	110	113	112	111	113	110	114	113	1	7	56	130	14	00	100	30
25			✓	113	113	114	118	118	120	122	127	122	116	116	114	111	106	105	109	114	114	117	114	114	115	115	116	115	1	7	08	128	13	50	104	24
26				115	114	114	115	116	119	124	125	119	105	98	94	92	88	88	92	96	104	110	110	108	110	110	111	107	1	7	36	127	13	32	86	41
27			✓	110	111	114	115	114	117	115	116	112	108	107	109	107	105	105	107	109	110	111	111	112	111	113	113	111	1	7	08	119	13	07	103	16
28				112	111	111	113	115	116	115	116	115	113	112	112	111	110	113	112	110	110	110	110	110	111	111	112	112	0	5	25	118	16	50	108	10
29				113	113	114	115	116	116	115	110	102	96	98	102	108	110	111	110	106	105	109	110	108	109	109	110	109	0	5	30	117	10	00	94	23
30			✓	111	111	112	112	113	113	110	108	107	107	111	114	110	107	105	109	112	113	112	117	116	116	117	117	112	0	4	55	119	13	40	104	15
31																																				
MEANS ALL DAYS				115	115	116	116	117	118	118	117	113	108	104	103	105	104	103	104	107	109	112	113	113	114	114	114	111								25
MEANS TEN DAYS *				115	115	116	116	117	118	118	115	113	108	104	103	106	106	103	103	106	110	112	113	114	114	114	115	111								25
MEANS FIVE DAYS (G. M. T.) †				115	115	116	116	118	118	118	116	114	109	103	104	107	104	100	103	107	110	113 113	113 113	113	114	114	114	111								
MEANS FIVE DAYS (G. M. T.) ‡				112	112	114	116	116	117	117	120	117	113	112	112	109	105	104	107	110	111	113	112	111	112	111	113	112								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 496

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

OCTOBER 1934

OCTOBER 1934

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				117	117	116	117	118	119	123	124	118	106	101	103	103	102	103	106	109	111	114	115	116	115	115	116	113	0	7 20	127	10 20	100	27
2				116	117	116	117	118	118	120	121	112	109	111	116	107	108	110	113	116	116	115	115	115	116	117	117	115	0	7 20	125	13 20	106	19
3				117	118	118	118	119	121	122	119	114	110	107	107	104	102	107	105	106	111	111	113	114	115	115	115	113	0	6 50	123	13 20	100	23
4				116	116	116	116	116	116	116	117	114	112	114	119	124	123	121	118	115	115	115	114	115	116	117	116	117	0	12 40	126	9 20	110	16
5	✓			115	115	116	118	118	118	116	113	108	106	109	112	113	114	114	112	109	111	114	114	114	115	115	115	114	1	5 50	119	9 10	104	15
6				115	116	117	117	120	120	113	104	93	87	88	88	85	88	95	100	103	110	113	113	114	115	114	115	106	0	5 40	121	12 20	84	37
7				116	116	116	117	118	118	118	115	107	97	95	92	89	93	100	106	112	113	114	113	114	114	115	116	109	1	6 26	120	12 30	88	32
8	✓	✓		116	117	117	118	119	120	117	114	105	97	93	91	90	89	93	99	104	111	112	113	114	114	115	115	108	0	5 33	121	13 00	88	33
9	✓	✓		116	116	117	117	118	119	124	122	115	113	118	119	115	113	113	117	120	115	113	114	115	115	116	116	116	0	6 34	125	9 20	112	13
10	✓	✓		116	117	117	119	120	121	122	118	110	106	108	103	97	99	103	104	110	111	113	113	114	115	115	115	112	0	6 23	123	12 50	95	28
11				116	117	117	118	118	119	119	119	117	115	114	108	103	102	104	102	110	116	116	116	114	114	114	115	113	0	5 33	120	13 00	101	19
12				115	115	117	118	119	120	122	124	118	114	116	114	112	114	119	124	123	119	118	115	116	115	115	114	117	0	16 00	127	12 20	111	16
13				114	116	116	116	119	120	117	114	111	111	111	108	106	104	109	107	107	112	116	115	116	116	115	115	113	0	5 00	121	12 47	102	19
14				115	115	116	116	118	119	120	119	112	109	107	100	99	98	100	98	104	110	113	114	113	113	113	112	111	0	6 40	122	14 50	96	26
15			✓	112	114	114	116	117	118	123	121	116	111	109	112	111	110	104	99	106	112	115	115	115	115	115	115	113	1	6 49	125	15 30	96	29
16				115	115	115	117	117	117	121	124	123	119	126	126	120	115	105	101	105	111	114	114	115	114	116	117	116	0	11 28	128	15 20	99	29
17	✓			117	117	117	118	118	118	119	116	110	109	113	113	112	111	112	107	105	111	116	115	113	114	115	116	114	1	6 00	120	16 03	104	16
18	✓			117	117	117	118	118	119	122	124	121	121	123	121	117	118	114	109	106	110	115	116	115	115	116	116	117	0	7 20	126	16 30	105	21
19	✓	✓		116	117	117	117	118	118	118	117	116	116	113	106	102	105	109	109	111	114	117	117	116	117	117	117	114	0	6 15	119	12 10	100	19
20			✓	117	117	118	119	119	119	115	110	105	100	98	97	100	108	107	107	108	116	116	117	116	116	116	116	112	0	5 10	120	10 53	96	24
21				116	117	117	117	118	118	116	111	107	106	109	103	95	98	111	114	117	118	118	118	117	117	114	116	113	1	17 00	122	12 55	89	33
22				117	118	118	119	119	118	119	117	112	109	105	101	100	111	123	123	118	113	116	115	115	115	117	117	115	0	14 35	125	12 10	98	27
23				117	118	118	119	119	119	116	112	105	102	100	102	108	109	109	109	110	114	113	113	114	114	112	110	112	0	3 30	120	10 30	98	22
24			✓	110	111	116	116	119	122	126	124	119	115	116	109	105	109	109	105	104	111	114	112	114	113	114	114	114	1	6 32	127	12 20	102	25
25			✓	114	115	116	117	119	120	124	123	116	111	105	101	102	109	118	118	114	113	115	114	114	113	113	113	114	1	6 40	126	11 40	100	26
26			✓	113	113	114	117	118	118	116	109	103	98	93	91	90	97	98	98	103	111	113	113	114	112	114	113	107	0	5 27	121	11 44	89	32
27				113	114	114	116	118	118	116	114	112	120	119	118	117	110	99	96	101	107	112	114	114	113	114	113	113	0	9 40	122	15 10	93	29
28				114	115	116	119	119	119	115	110	110	113	117	119	113	109	103	102	105	110	113	114	115	115	115	115	113	1	11 25	121	15 29	101	20
29	✓	✓		115	115	118	119	119	119	117	116	117	118	116	120	121	125	120	111	107	110	113	115	115	116	115	115	116	0	13 30	127	16 10	105	22
30	✓			115	115	116	117	118	118	117	116	118	117	117	122	121	122	120	113	110	113	116	116	115	115	116	116	117	0	11 37	123	16 00	109	14
31	✓			117	116	117	118	118	118	116	115	112	113	113	110	105	107	110	106	106	111	114	115	115	116	115	115	113	0	5 10	119	13 00	103	16
MEANS ALL DAYS				115	116	116	117	118	119	119	117	112	109	109	108	106	107	108	108	109	112	114	115	115	115	115	115	113						23
MEANS TEN DAYS ✻				116	116	117	118	118	119	119	117	113	112	112	112	109	110	111	109	109	112	114	115	115	115	116	116	114						20
MEANS FIVE DAYS † (G. M. T.)				116	116	117	118	119	119	120	117	113	110	110	108	105	106	108	108	110	112	113 114	114 114	115	115	115	116	113						
MEANS FIVE DAYS ‡ (G. M. T.)				113	114	116	117	118	119	121	117	112	107	104	102	102	107	107	105	107	113	115	114	114	114	114	113	112						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 500

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1934

NOVEMBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		116	117	117	118	118	118	120	122	120	123	123	127	127	125	117	102	105	112	114	116	116	117	117	116	118	0	12 00	129	15 30	100	29
2	✓			117	117	118	118	119	119	116	116	111	111	113	114	105	103	104	101	104	110	114	116	116	115	116	115	113	0	4 45	120	15 25	99	21
3				115	116	117	117	118	117	120	122	118	117	120	120	115	108	109	110	110	112	114	115	116	116	116	116	116	0	7 00	124	13 40	104	20
4	✓			116	117	117	118	118	117	121	127	127	130	130	129	127	123	116	107	104	108	114	115	115	117	115	116	118	1	10 00	134	16 25	102	32
5				116	116	117	118	119	115	114	113	115	119	123	125	128	133	131	121	118	115	115	116	115	115	116	116	119	1	14 03	135	7 44	111	24
6				116	116	118	119	121	120	117	116	113	112	112	118	120	123	121	110	106	109	114	115	115	114	115	115	116	0	13 42	127	16 40	104	23
7			✓	115	116	115	116	117	116	116	120	128	131	127	117	114	112	108	106	110	113	114	114	114	115	115	116	116	1	8 39	135	14 40	104	31
8			✓	114	115	116	118	119	117	117	119	114	113	112	114	111	103	96	95	99	107	115	116	114	113	113	112	112	1	4 43	121	14 40	92	29
9				113	114	115	117	118	117	119	118	114	112	106	103	100	108	112	118	118	114	114	114	115	115	114	114	113	0	15 50	120	12 20	98	22
10				114	116	116	117	119	118	119	120	120	121	120	116	115	114	116	119	119	117	115	117	117	116	115	115	117	0	9 25	122	13 20	112	10
11				115	115	116	118	119	118	116	116	121	122	119	116	112	110	107	108	110	114	116	116	116	115	116	117	115	0	9 40	124	14 02	106	18
12	✓			116	117	118	119	120	121	123	125	123	120	122	123	123	122	121	115	112	115	118	118	118	118	118	118	119	0	7 26	128	16 40	110	18
13				119	119	119	119	120	123	123	124	126	126	125	126	121	117	114	109	107	113	117	117	115	114	115	115	118	1	7 34	128	16 10	105	23
14				116	117	117	118	119	119	117	116	120	119	118	113	106	104	104	101	103	110	116	118	118	118	119	119	114	0	8 45	122	15 40	99	23
15				119	119	119	119	120	119	115	109	108	(111	114	116)	111	110	109	105	113	117	117	116	117	116	116	115	115	0	4 50	122	15 10	103	19
16				114	114	114	117	118	117	109	105	104	107	112	118	124	124	119	115	112	113	115	116	116	116	116	116	115	0	13 00	128	8 10	102	26
17				116	117	117	118	118	117	115	112	115	122	128	131	132	126	124	117	115	114	116	116	115	115	114	113	118	0	12 14	135	7 50	110	25
18	✓			114	116	117	117	118	116	121	126	130	131	125	126	125	121	115	114	115	113	115	115	117	116	115	115	119	0	8 40	132	16 50	112	20
19				116	116	117	117	118	115	117	118	120	125	126	132	130	126	120	114	115	116	118	118	117	118	118	118	119	1	11 50	134	15 57	112	22
20	✓	✓		118	117	118	120	120	118	118	120	126	126	126	127	125	117	112	112	113	114	118	118	118	119	118	118	119	0	12 10	130	14 00	110	20
21	✓	✓		118	118	118	119	119	119	118	113	110	109	115	125	127	126	121	112	107	111	116	116	116	117	117	117	117	0	12 00	131	16 40	106	25
22	✓	✓		118	118	118	116	118	115	114	119	124	117	121	118	123	126	129	126	120	117	120	119	118	118	118	118	120	0	14 10	131	6 05	112	19
23	✓			118	118	118	119	120	118	117	119	120	119	122	123	110	108	109	106	105	109	114	117	117	118	117	118	116	0	11 00	124	15 25	103	21
24			✓	118	118	118	120	120	119	120	123	130	127	124	120	113	112	116	115	116	117	117	117	115	116	115	116	118	1	8 30	132	12 43	108	24
25			✓	117	118	119	120	121	119	120	126	132	132	137	139	134	129	120	113	110	112	115	118	117	117	117	117	122	1	12 00	142	17 00	108	34
26				117	118	118	119	120	117	118	124	129	131	135	135	127	123	116	108	106	108	113	116	117	116	116	116	119	0	10 44	137	16 32	104	33
27	✓			116	116	117	118	120	121	119	121	123	119	122	116	103	98	(98)	97	101	109	116	117	117	117	117	116	114	0	8 15	125	13 10	96	29
28			✓	116	116	116	117	119	119	126	134	138	135	136	134	122	112	105	99	100	109	116	119	118	118	118	119	119	1	8 02	140	15 36	97	43
29				118	118	117	119	120	119	120	128	135	143	138	125	114	106	103	104	108	110	115	118	119	119	119	119	119	1	9 30	145	14 00	101	44
30		✓		118	118	118	118	119	118	123	128	128	131	132	122	104	93	96	101	108	112	115	117	117	118	118	116	116	0	10 28	133	13 23	91	42
31																																		
MEANS ALL DAYS				116	117	117	118	119	118	118	120	121	122	123	122	118	115	113	109	110	112	116	117	116	116	116	116	117						26
MEANS TEN DAYS ✲				117	117	118	118	119	118	119	121	121	120	122	123	120	117	114	109	109	112	116	117	117	117	117	117	117						23
MEANS FIVE DAYS † (G. M. T.)				118	118	118	118	119	118	119	120	122	121	123	124	121	117	115	111	111	113	116 117	117 117	117	118	117	117	118						
MEANS FIVE DAYS ‡ (G. M. T.)				116	117	117	118	119	118	120	124	128	128	127	125	119	114	109	106	107	112	115	116	116	116	116	116	117						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 501

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1934

DECEMBER 1934

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				117	116	116	115	120	121	121	122	119	121	134	131	110	106	105	101	103	111	116	118	118	118	117	115	116	1	10 42	138	15 40	98	40
2				117	118	118	118	119	117	121	128	128	127	131	127	112	101	107	107	109	113	117	118	118	120	117	116	118	1	8 00	135	13 30	98	37
3			✓	115	116	116	118	120	116	119	120	122	120	117	114	103	92	92	95	97	105	110	109	106	112	112	110	111	1	8 50	125	13 50	90	35
4			✓	110	114	114	115	117	114	118	123	123	124	131	138	132	122	103	100	100	105	113	114	114	115	115	115	116	1	11 05	140	16 36	97	43
5				115	114	115	116	119	116	115	118	116	113	124	130	124	119	116	112	111	115	118	119	119	118	119	119	118	1	11 10	133	16 20	109	24
6	✓			118	118	119	120	120	118	121	126	128	133	140	141	132	127	126	121	117	115	117	119	119	118	118	116	123	1	11 23	143	17 28	114	29
7				116	116	117	120	120	120	116	115	109	104	108	111	115	114	117	115	114	116	119	119	118	116	114	116	115	0	4 40	122	9 40	101	21
8	✓			116	116	117	118	120	119	119	121	119	116	117	112	105	103	103	101	102	110	115	117	116	116	117	117	114	0	6 54	122	15 55	100	22
9	✓	✓		117	117	118	118	120	119	121	125	133	135	136	133	119	113	116	114	115	114	116	118	117	117	116	117	120	0	11 00	139	13 17	111	28
10	✓			117	117	118	119	121	121	123	130	134	135	135	131	120	123	125	123	124	120	119	118	118	117	117	117	123	0	9 30	137	22 00	117	20
11				117	118	118	119	121	122	126	131	130	123	118	116	113	111	112	115	115	117	116	118	118	118	119	118	119	1	7 36	133	12 50	109	24
12				117	118	119	119	121	122	128	136	140	135	132	131	124	118	120	122	119	116	119	121	120	119	118	117	123	1	8 40	142	17 14	114	28
13	✓			116	117	118	118	120	117	115	117	117	119	119	112	107	100	100	104	109	116	120	121	121	121	120	119	115	0	20 23	122	13 40	97	25
14				119	119	119	119	119	121	120	126	130	131	129	123	118	118	117	116	111	113	116	118	120	117	116	116	120	0	8 50	133	16 00	109	24
15				115	116	117	117	117	116	114	118	124	124	125	121	114	115	119	119	115	116	119	121	119	118	117	117	118	1	9 50	128	12 30	112	16
16	✓	✓		117	117	118	119	120	117	117	124	130	(133	131	133)	132	133	134	124	113	115	119	119	120	122	121	121	123	0	[9 36	138]	16 30	112	[26]
17	✓	✓		120	120	120	121	121	120	123	125	121	120	122	127	126	128	128	120	111	115	121	122	121	121	121	121	121	0	13 40	131	16 30	109	22
18	✓			120	120	121	122	122	117	118	125	131	137	143	140	134	121	110	107	106	113	118	118	118	119	119	119	122	1	10 37	145	16 03	104	41
19				116	117	119	120	122	123	125	130	126	125	120	124	126	126	129	125	123	122	121	120	118	119	120	120	122	0	7 10	133	0 45	115	18
20				120	119	119	121	122	122	119	123	126	127	130	129	127	124	128	123	117	114	118	120	120	119	120	120	122	0	14 50	131	17 10	112	19
21				120	120	120	121	121	122	127	126	128	123	125	124	129	132	133	130	121	121	122	122	120	119	119	120	124	1	15 03	136	21 15	118	18
22				121	122	121	122	122	121	119	120	121	114	108	108	110	126	125	117	118	123	122	122	122	122	122	122	120	0	13 53	131	12 00	104	27
23		✓		122	123	123	123	124	124	122	125	127	126	121	116	113	115	117	122	119	120	121	122	122	123	123	122	121	0	8 13	129	12 10	112	17
24			✓	120	120	121	121	122	121	122	125	131	136	135	125	132	142	139	139	130	124	119	121	120	122	122	123	126	1	13 50	147	18 08	118	29
25				122	119	121	123	123	123	123	126	128	125	117	110	105	117	122	121	118	123	122	123	123	123	120	121	121	1	8 42	130	12 40	104	26
26				120	121	120	121	123	122	123	125	125	125	127	120	120	121	113	112	115	116	118	121	121	121	121	121	120	0	7 30	129	15 30	110	19
27	✓	✓		121	121	121	122	122	121	120	125	128	125	120	121	122	133	137	131	129	125	123	122	121	121	121	121	124	0	14 20	140	6 13	118	22
28	✓			121	122	122	122	123	121	118	115	109	107	106	102	96	92	93	102	111	117	120	123	123	122	122	120	114	0	4 50	124	13 20	89	35
29			✓	120	118	119	119	123	122	121	125	128	133	125	111	91	92	97	120	138	125	123	119	120	119	121	118	119	2	16 03	142	12 14	87	55
30			✓	115	117	117	119	121	121	126	137	133	134	135	124	113	109	108	108	111	116	118	120	120	119	119	118	120	1	8 00	140	14 10	105	35
31				119	119	120	121	122	121	124	128	125	116	122	119	115	119	123	119	116	116	121	122	121	119	118	118	120	0	7 30	130	9 52	113	17
MEANS ALL DAYS				118	118	119	120	121	120	121	125	125	125	125	123	117	117	117	116	115	116	119	119	119	119	119	118	120						27
MEANS TEN DAYS ✲				118	118	119	120	121	119	120	123	125	126	127	125	119	117	117	115	114	116	119	120	119	119	119	119	120						27
MEANS FIVE DAYS † (G. M. T.)				119	120	120	121	121	120	121	125	128	128	126	126	122	124	126	122	117	118	119 120 / 120 121		120	120	120	120	122						
MEANS FIVE DAYS ‡ (G. M. T.)				116	117	117	118	121	119	121	126	127	129	129	122	114	111	108	112	115	115	117	118	118	119	119	117	119						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 502

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1935 — JANUARY 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				161	155	153	142	149	158	152	154	160	168	176	182	177	168	161	151	151	164	171	174	175	172	164	163	163	0	11 54	188	3 52	131	57
2				162	160	159	157	152	158	158	165	179	181	183	194	206	192	183	170	161	158	165	172	172	169	168	166	170	1	12 17	210	4 48	147	63
3				163	160	155	153	159	158	156	170	170	174	184	191	191	180	168	160	152	157	164	177	169	169	168	167	167	1	11 30	199	16 10	148	51
4				164	158	157	155	155	153	147	158	168	172	175	183	179	164	165	168	170	170	171	172	173	170	167	163	166	0	11 50	188	6 30	142	46
5	✓			161	157	156	156	158	153	145	160	181	192	193	202	208	198	182	168	151	152	161	169	169	164	162	162	169	0	12 20	212	6 30	142	70
6	✓	✓		162	161	159	158	159	158	153	162	176	181	188	193	188	173	163	155	158	161	163	170	170	169	168	164	167	0	11 27	198	6 27	149	49
7	✓	✓		161	157	152	154	153	149	143	157	185	203	199	202	195	174	163	153	151	160	169	173	171	170	165	161	168	0	12 10	208	6 20	139	69
8	✓	✓		158	153	151	151	152	149	141	142	151	170	182	183	179	165	160	165	161	171	173	171	170	169	165	162	162	0	10 58	188	6 50	137	51
9	✓	✓		160	158	154	152	152	152	145	150	164	179	195	208	201	175	166	163	158	164	167	171	172	172	170	167	167	0	11 18	211	6 30	141	70
10	✓	✓		162	159	157	156	156	151	147	151	158	173	191	190	174	162	163	164	167	171	171	170	168	169	170	169	165	0	11 13	195	6 24	142	53
11				169	165	162	161	161	157	151	161	183	201	216	221	217	211	202	184	167	160	162	161	163	167	168	167	177	0	11 40	225	6 20	147	78
12	✓			166	163	161	159	159	157	152	160	174	189	207	204	191	181	190	183	163	160	160	168	169	167	168	165	172	0	10 56	214	6 30	149	65
13	✓			161	161	159	159	159	154	151	153	161	175	182	183	180	180	178	167	157	158	160	165	168	169	168	164	166	0	10 44	187	6 10	148	39
14	✓			166	163	160	159	159	157	149	152	167	173	185	190	189	172	160	157	159	162	162	170	173	172	169	162	166	0	11 50	193	6 20	145	48
15				162	156	151	151	151	153	154	160	171	186	206	208	197	181	169	167	163	161	162	168	169	168	167	166	169	1	11 03	218	2 58	147	71
16				163	160	159	157	157	156	154	156	162	179	198	203	193	173	164	161	158	161	164	173	168	166	168	170	168	0	11 17	208	6 20	151	57
17			✓	166	163	152	157	157	153	150	151	173	180	188	174	167	169	162	157	160	163	172	173	172	169	166	168	165	1	10 18	193	6 50	143	50
18				166	162	158	158	159	153	149	153	167	172	182	195	191	183	187	181	168	160	159	164	164	169	167	167	168	1	11 54	203	6 33	145	58
19				166	160	160	160	158	151	141	148	160	176	185	190	187	180	167	169	160	159	160	167	167	161	162	165	165	0	11 26	195	6 42	136	59
20	✓			166	158	160	159	159	158	154	161	171	188	200	206	200	198	201	185	170	163	160	166	166	165	163	165	173	0	11 20	209	6 20	150	59
21				163	160	160	159	161	157	141	138	147	158	167	168	166	160	170	173	171	163	161	169	168	167	169	171	162	0	16 00	180	7 30	135	45
22				170	166	167	166	164	161	154	153	162	171	179	187	188	186	181	182	163	160	164	172	173	171	167	171	170	0	12 30	193	7 10	150	43
23			✓	168	167	161	156	160	150	142	141	144	162	186	209	198	189	180	169	160	156	158	167	171	173	169	170	167	1	11 49	213	7 16	137	76
24			✓	169	162	160	159	159	158	155	166	177	181	196	209	201	191	180	164	158	151	157	167	167	169	168	167	170	1	11 40	216	17 10	147	69
25				164	162	162	158	159	152	145	146	169	192	206	197	171	160	159	154	157	160	163	164	168	167	165	166	165	0	10 30	210	6 36	141	69
26				163	161	159	160	159	155	150	159	170	177	184	200	202	190	169	165	168	162	158	163	166	166	165	163	168	0	13 00	208	6 10	146	62
27			✓	162	159	158	158	158	156	148	152	166	181	190	180	178	164	178	176	182	179	173	175	168	169	171	171	169	2	9 56	203	6 34	144	59
28			✓	170	170	171	171	172	174	160	168	184	192	202	222	224	215	188	160	153	156	155	163	168	163	163	164	176	1	11 50	228	16 10	149	79
29				163	160	158	159	160	160	148	151	168	192	191	177	179	189	189	164	159	160	162	165	166	162	160	159	167	0	10 00	202	6 50	144	58
30				157	155	150	148	149	150	141	137	144	148	161	172	171	Δ									Δ	[154]		0			[7 36	133]	
31				155	157	149	141	139	143	138	138	143	152)	166	174	180	181	174	176	166	164	161	162	164	163	160	157	158	1	13 10	184	7 00	135	49
MEANS ALL DAYS a)				164	160	158	157	157	155	149	155	167	179	189	194	190	180	174	167	161	162	164	169	169	168	166	165	167						59 a)
MEANS TEN DAYS ✻				162	159	157	156	157	154	148	155	169	182	192	196	190	178	173	166	160	162	165	169	170	169	167	164	167						57
MEANS FIVE DAYS † (G. M. T.)				161	158	155	154	154	152	146	152	167	181	191	195	187	170	163	160	159	165	167 171 / 169 171		170	169	166	163	166						
MEANS FIVE DAYS ‡ (G. M. T.)				167	164	160	160	161	158	151	156	169	179	192	199	194	186	178	165	163	161	163	170	169	169	168	169	170						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Thirty days only, omitting incomplete day January 30

TABLE 503

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1935

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	155	153	151	150	149	148	140	145	153	162	175	182	191	198	198	△		△	182	184	183	180	175	171		1	13 40	201	6 40	137	64
2			✓	155	154	149	154	155	154	152	161	164	173	185	194	191	184	174	175	179	176	173	174	172	169	164	161	168	1	12 00	202	2 50	144	58
3				158	153	149	149	146	148	143	144	153	170	183	192	199	198	189	182	169	160	162	168	169	166	163	161	166	1	13 28	203	6 24	140	63
4	✓	✓		159	155	153	151	152	152	135	131	130	139	151	160	171	173	163	156	151	155	161	164	165	163	163	161	155	0	13 30	179	8 14	126	53
5	✓			157	155	155	153	154	155	148	154	173	190	203	210	209	191	179	179	174	172	164	168	166	163	161	161	171	0	12 10	214	6 34	143	71
6	✓			155	153	152	151	153	153	143	143	153	169	180	183	182	181	183	179	164	161	156	161	162	162	162	161	163	0	12 24	189	6 48	138	51
7				156	155	153	154	155	154	141	145	160	171	174	186	194	194	188	178	171	161	159	162	169	162	161	160	165	0	13 00	200	6 50	136	64
8	✓			159	159	155	155	158	162	153	148	154	172	193	204	211	209	198	182	169	163	160	163	165	163	163	160	170	0	12 50	215	7 34	143	72
9	✓			159	158	157	155	155	161	152	151	160	172	179	182	181	177	172	162	154	152	157	161	162	163	163	162	163	0	12 04	185	7 03	145	40
10				160	159	156	153	154	155	147	150	168	181	191	188	191	191	186	182	169	156	157	163	163	162	161	160	167	1	10 33	199	7 10	143	56
11	✓	✓		159	156	152	152	154	155	145	142	151	162	182	195	189	176	165	164	165	162	161	162	162	163	162	160	162	0	11 37	199	7 10	138	61
12				159	158	156	158	159	159	152	152	155	159	163	166	165	161	162	160	159	158	161	163	164	163	163	161	160	0	12 10	172	6 42	148	24
13			✓	161	155	159	156	160	161	152	151	154	162	179	180	181	169	163	150	151	155	164	171	178	173	168	164	163	1	12 15	188	15 27	139	49
14			✓	156	161	158	154	160	164	158	162	180	186	195	201	190	183	170	161	154	157	162	162	163	160	161	155	167	1	11 19	212	3 07	150	62
15				155	155	150	153	156	154	143	141	154	174	191	194	188	179	167	164	166	163	161	163	163	162	161	160	163	1	10 53	199	6 57	138	61
16				156	152	150	153	157	157	146	142	150	164	176	176	178	181	180	166	162	156	155	160	164	163	159	158	161	1	10 46	189	7 20	139	50
17				154	154	155	155	157	155	148	148	152	165	182	192	185	174	166	163	160	154	152	157	160	162	159	158	161	0	11 30	199	6 40	144	55
18				156	155	153	152	151	151	142	141	153	170	188	188	182	173	163	155	156	159	157	161	163	162	161	158	160	0	10 50	196	7 00	136	60
19	✓	✓		157	154	153	154	154	153	141	139	151	162	163	164	164	160	154	152	153	155	161	162	161	160	160	161	156	0	11 10	170	7 10	135	35
20				160	155	155	154	154	154	150	160	181	201	212	214	194	173	168	157	151	150	153	160	162	163	164	162	167	1	11 18	224	16 59	146	78
21				160	154	153	153	152	154	141	154	174	185	201	202	191	171	163	159	160	157	159	163	163	164	162	159	165	1	11 12	212	6 30	132	80
22	✓			155	154	152	151	151	148	138	134	150	164	175	176	173	165	162	154	156	159	161	161	161	163	160	159	158	0	11 30	180	7 20	132	48
23				155	154	152	153	154	153	150	153	165	182	196	199	191	183	166	153	148	150	152	159	164	165	164	163	164	0	11 10	204	16 13	144	60
24				163	161	159	157	156	155	150	149	164	186	203	211	212	212	194	176	164	153	151	161	158	162	164	164	170	1	13 29	219	7 24	143	76
25				166	165	165	164	161	159	142	134	143	158	176	183	191	185	172	157	150	147	154	159	163	162	162	160	162	1	12 20	195	7 05	129	66
26			✓	160	158	159	159	156	154	139	129	142	153	165	181	186	187	185	(175)	171	161	161	163	164	163	161	161	162	1	12 24	191	7 48	125	66
27	✓	✓		160	160	158	156	155	154	149	145	149	155	156	155	152	149	149	153	157	158	160	159	160	161	160	159	155	0	1 20	163	7 19	142	21
28	✓	✓		159	157	156	157	156	158	156	156	161	169	173	174	174	176	165	154	151	152	155	160	161	161	160	159	161	0	13 32	180	16 20	148	32
29																																		
30																																		
31																																		
MEANS ALL DAYS a)				158	156	155	154	155	155	147	147	157	170	182	187	186	180	172	165	161	158	159	163	164	163	162	160	163						a) 56
MEANS TEN DAYS ✱				158	156	154	154	154	155	146	144	153	165	176	180	181	176	169	164	159	159	160	162	162	162	161	160	161						48
MEANS FIVE DAYS (G. M. T.) †				159	156	154	154	154	154	145	143	148	157	165	170	170	167	159	156	155	156	159 160	163 161	164	163	161	160	158						
MEANS FOUR DAYS (G. M. T.) b) ‡				158	157	156	156	158	158	150	151	160	168	181	189	187	181	173	165	164	162	165	169	172	170	167	164	166						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 1 b) Omitting incomplete Greenwich day February 1

TABLE 504

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1935

MARCH 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				156	155	153	154	152	152	142	130	130	141	164	165	167	172	171	159	153	152	161	164	165	164	161	160	156	1	13	23	184	7 10	123	61
2				154	150	148	144	146	149	148	142	144	158	169	166	161	168	167	162	162	159	160	163	163	161	159	158	157	1	11	28	178	7 49	135	43
3				159	155	153	154	154	153	148	151	159	162	171	184	185	177	171	165	161	159	159	164	165	161	159	157	162	0	11	38	190	6 34	145	45
4	✓	✓		155	152	150	151	152	152	148	149	156	158	160	165	169	170	164	162	159	155	159	162	161	159	159	156	158	0	12	54	173	6 30	144	29
5	✓			154	153	151	151	152	151	146	149	156	159	159	163	162	156	154	155	155	153	156	161	161	159	159	160	156	0	11	50	168	7 00	143	25
6	✓			159	157	154	154	155	156	151	157	170	181	182	180	170	168	164	161	165	160	161	163	163	163	161	159	163	0	9	48	186	6 37	148	38
7	✓			156	155	155	154	154	151	139	137	145	159	174	182	179	170	165	162	159	155	154	159	160	159	160	160	158	0	11	50	185	7 00	133	52
8	✓			162	162	161	162	162	164	153	149	151	156	162	160	161	156	153	153	151	146	151	151	154	159	159	161	157	0	5	40	168	17 40	143	25
9				161	160	161	160	161	161	150	150	158	164	164	179	188	189	185	176	165	155	153	155	157	159	160	159	164	0	14	00	192	6 50	145	47
10	✓	✓		160	158	156	155	159	159	150	143	141	148	153	156	164	171	172	168	157	149	152	155	158	159	160	160	157	0	14	40	174	8 40	137	37
11				159	160	160	160	162	159	144	142	145	148	151	163	172	175	174	169	162	152	154	159	161	160	159	158	159	1	14	03	182	8 14	137	45
12				155	153	154	154	155	154	145	143	149	155	165	171	169	161	153	146	144	146	153	159	161	163	160	153	155	0	11	38	174	7 00	140	34
13			✓	156	159	156	153	156	152	136	131	144	165	171	174	176	176	178	174	164	155	156	160	160	158	160	162	160	1	13	58	183	7 40	125	58
14			✓	164	162	156	164	158	164	161	160	170	179	177	184	179	174	172	169	160	153	156	159	157	157	159	162	165	1	11	18	200	17 40	151	49
15			✓	157	158	159	161	161	165	161	164	175	180	174	180	181	(178)	174	175	170	164	161	161	163	163	163	160	167	1	9	05	190	1 00	155	35
16			✓	161	160	158	159	158	156	149	149	158	166	174	177	175	168	170	168	165	156	153	158	158	160	161	160	162	1	12	01	185	18 10	150	35
17				157	159	154	158	159	159	157	158	167	172	178	178	171	167	169	168	164	158	152	155	155	157	158	158	162	0	10	46	182	18 30	149	33
18				156	154	155	153	153	152	147	148	156	162	167	163	160	152	151	149	150	150	150	151	155	155	154	154	154	0	9	56	173	6 43	142	31
19				156	154	157	161	158	156	147	147	156	157	162	162	163	164	161	163	161	154	153	153	155	154	156	157	157	0	13	10	169	6 46	143	26
20				156	157	158	161	162	157	154	156	157	165	168	174	174	172	168	163	163	159	157	159	159	158	157	156	161	1	11	52	181	6 40	150	31
21				154	149	151	154	154	156	157	172	187	196	199	189	174	162	152	149	153	154	157	162	158	158	158	157	163	1	10	30	205	1 50	144	61
22				157	156	153	154	157	158	154	156	165	177	184	183	178	173	167	166	162	161	162	161	160	157	156	154	163	0	10	42	187	2 42	148	39
23				154	153	153	154	155	157	154	159	166	172	174	176	178	173	162	155	154	158	156	158	162	167	165	157	161	0	12	15	182	1 43	150	32
24				152	149	149	152	152	150	150	157	167	173	173	165	174	172	167	156	150	153	157	158	158	162	159	158	159	1	12	20	181	1 00	146	35
25				155	154	152	155	154	154	151	154	163	167	170	176	176	175	174	165	159	158	157	156	157	161	161	158	161	0	11	04	179	7 04	147	32
26	✓			156	157	157	156	156	155	148	146	149	155	162	167	166	161	159	154	153	153	157	158	157	157	158	157	156	0	11	40	170	7 10	142	28
27	✓	✓		154	155	156	157	154	152	143	142	143	157	171	184	191	191	183	175	165	155	154	155	155	156	157	156	161	0	12	57	194	6 57	136	58
28	✓	✓		156	154	153	154	154	153	147	145	146	152	165	172	178	176	168	158	153	148	153	154	154	153	154	154	156	0	12	50	182	8 10	141	41
29	✓	✓		155	156	156	155	155	154	152	153	156	162	168	176	186	190	185	175	165	155	154	154	154	153	154	154	162	0	13	16	193	6 40	150	43
30			✓	153	152	151	152	153	154	152	154	156	159	148	163	166	165	164	167	166	159	159	157	156	156	156	155	157	1	12	26	174	10 16	140	34
31				153	153	152	156	157	157	161	158	168	174	173	169	174	183	176	167	158	153	154	155	154	154	154	154	161	1	13	58	186	17 50	149	37
MEANS ALL DAYS				157	156	155	156	156	156	150	150	157	164	169	172	173	171	168	163	159	155	156	158	159	159	159	158	160							39
MEANS TEN DAYS ✲				157	156	155	155	155	155	148	147	151	159	166	170	173	171	167	162	158	153	155	157	158	158	158	158	158							38
MEANS FIVE DAYS † (G. M. T.)				156	155	154	154	155	154	148	146	148	155	163	171	178	180	174	168	160	152	155 154	157 156	158	157	158	157	159							
MEANS FIVE DAYS ‡ (G. M. T.)				158	158	156	158	157	158	152	152	161	170	169	176	175	172	172	171	165	157	157	159	159	159	159	158	162							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 505

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1935

APRIL 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	M	MINIMUM H	M	RANGE
1				154	153	152	155	156	157	154	152	154	157	158	165	174	182	175	167	164	162	158	155	154	154	154	153	159	0	13	42	185	7 20	148	37
2	✓	✓		154	153	153	154	155	156	158	163	166	166	166	169	169	167	163	155	153	149	153	154	153	153	153	153	158	0	12	00	172	17 40	146	26
3	✓			154	153	152	153	154	155	157	156	160	166	171	172	168	164	158	156	155	156	154	154	154	154	154	154	158	0	11	22	174	2 30	149	25
4	✓			154	154	154	154	155	157	161	167	177	184	181	177	172	163	156	155	154	155	156	156	156	155	156	155	161	0	9	47	187	1 50	151	36
5	✓			155	155	154	155	156	156	152	155	160	167	173	175	173	162	151	150	154	156	156	157	157	155	154	154	158	0	11	24	179	14 50	147	32
6	✓	✓		153	152	152	153	154	153	145	143	144	149	154	152	149	147	147	152	158	158	157	155	154	154	154	153	152	0	17	13	162	7 40	139	23
7	✓	✓		153	152	152	153	153	153	153	154	157	157	163	166	173	175	169	156	153	153	154	155	155	155	155	154	157	0	13	30	178	2 30	148	30
8				153	154	155	154	155	157	161	165	169	168	172	177	175	177	167	156	152	153	154	149	148	150	150	154	159	1	11	13	185	20 20	147	38
9			✓	154	157	156	156	159	161	(165 | 169)	173	172	170	171	172	166	165	164	160	158	157	159	158	158	155	154	162	1	[8	—	174]	0 40	152	[22]
10			✓	154	153	153	154	159	165	151	151	148	152	155	165	158	156	148	154	158	155	158	159	153	155	158	158	155	2	11	44	185	9 23	139	46
11			✓	154	156	156	157	159	163	157	163	165	168	169	173	173	175	168	164	156	156	159	158	155	156	155	155	161	1	11	48	183	2 30	147	36
12			✓	153	153	156	164	165	163	163	156	152	147	150	152	155	162	162	(157)	153	156	157	158	156	153	154	153	156	1	5	20	172	11 38	142	30
13			✓	148	153	156	157	160	162	167	179	185	192	188	184	179	180	171	157	148	152	157	158	157	155	154	154	165	1	9	23	196	0 20	143	53
14				155	156	157	159	163	166	172	171	173	174	174	175	176	178	174	165	155	155	155	154	154	154	153	156	164	0	13	38	183	21 56	149	34
15				154	155	158	159	162	162	156	154	156	157	154	155	158	163	166	164	153	148	151	151	153	155	156	155	156	0	14	30	171	17 20	145	26
16				154	149	152	154	155	156	156	160	160	160	157	155	151	146	155	158	154	154	152	157	155	155	153	154	155	0	8	37	164	13 30	142	22
17				154	156	159	161	162	162	158	148	142	136	135	132	134	138	144	146	153	154	154	153	154	154	153	154	150	0	4	37	165	12 07	126	39
18				156	153	156	157	162	167	176	176	176	174	167	164	159	160	153	149	149	154	154	156	157	157	156	155	160	0	6	33	183	16 03	145	38
19				154	155	156	156	157	159	158	158	164	166	166	171	171	169	168	162	156	156	156	155	155	156	155	154	160	0	12	50	174	20 00	151	23
20				154	155	155	156	157	162	159	161	163	165	167	174	184	183	175	165	157	156	154	153	154	155	156	154	161	0	13	10	188	19 30	150	38
21				153	157	158	158	161	162	162	164	166	169	172	177	182	174	166	155	151	152	153	152	153	153	154	154	161	0	12	14	185	16 40	147	38
22	✓			154	155	156	157	158	158	157	158	156	162	172	183	190	186	179	167	157	154	154	153	154	154	151	150	161	0	13	06	194	24 00	146	48
23				150	150	148	150	151	150	148	154	154	162	172	176	183	181	175	164	157	158	160	155	153	153	154	154	159	0	12	44	187	6 08	143	44
24				155	155	155	156	156	156	154	153	151	152	155	166	177	181	180	170	154	148	148	149	149	150	148	149	157	0	13	00	185	17 57	144	41
25				154	155	156	159	162	162	162	164	163	164	163	164	167	173	171	165	153	146	146	147	149	151	152	152	158	0	13	30	176	17 47	142	34
26				152	153	154	155	155	154	148	144	140	137	142	156	168	176	175	168	156	151	153	152	152	152	152	153	154	0	13	40	180	9 47	134	46
27	✓	✓		153	154	155	157	158	158	158	155	154	152	155	160	163	162	166	163	153	149	150	149	150	151	153	154	156	0	14	49	171	17 37	146	25
28	✓	✓		153	153	154	155	156	159	158	148	146	151	154	160	162	160	154	147	147	147	151	149	147	148	149	150	152	0	13	01	165	8 14	142	23
29	✓			152	153	153	154	156	162	165	160	154	146	146	156	175	192	190	175	162	153	152	150	150	151	151	150	159	0	13	50	197	10 00	142	55
30				150	150	151	153	156	164	173	157	164	157	147	145	154	162	162	153	146	146	149	148	148	148	148	148	154	0	6	40	177	11 27	140	37
31																																			
MEANS ALL DAYS				153	154	154	156	158	159	159	159	160	161	162	166	168	169	165	159	154	153	154	154	153	153	153	153	158							35
MEANS TEN DAYS ✲				154	153	154	154	156	157	156	156	157	160	164	167	169	168	163	158	155	153	154	153	153	153	153	153	157							32
MEANS FIVE DAYS † (G. M. T.)				153	153	153	154	155	156	154	153	153	155	158	161	163	162	160	155	153	151	155 154 153 152		153	153	153	153	155							
MEANS FIVE DAYS ‡ (G. M. T.)				153	154	155	158	160	163	161	164	165	166	166	169	167	168	163	159	155	155	158	157	154	154	154	155	160							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⌧ = NO RECORD

TABLE 506

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1935 MAY 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	150	151	152	153	156	160	164	166	172	164	155	160	168	171	173	164	155	152	147	143	155	159	156	157	158	2	8 46	181	19 20	133	48
2			✓	162	163	158	162	165	167	172	169	163	156	154	163	172	167	165	165	162	157	156	153	153	155	153	153	161	1	6 57	176	10 23	149	27
3				152	151	151	152	155	156	155	152	154	153	154	159	163	164	164	161	157	155	153	152	152	153	154	153	155	0	13 01	167	7 33	145	22
4	✓			153	154	153	154	153	155	156	156	156	154	155	166	178	175	167	166	164	163	156	155	154	153	153	153	158	0	12 50	182	10 10	151	31
5	✓			152	153	153	154	154	155	158	159	157	159	162	164	167	165	154	151	153	154	153	152	153	153	152	152	156	0	12 09	171	15 20	147	24
6	✓	✓		153	152	152	152	153	156	163	165	164	164	164	166	173	174	167	157	148	147	148	147	146	148	148	147	156	0	13 21	176	17 10	144	32
7	✓			148	147	147	149	153	154	156	165	175	184	186	186	185	185	175	158	146	142	145	147	148	149	149	149	160	0	11 19	190	17 30	137	53
8	✓	✓		148	149	149	152	153	154	147	143	137	136	142	152	167	170	170	163	149	144	146	147	148	149	150	150	151	0	13 04	174	8 46	133	41
9	✓	✓		152	153	152	153	155	156	154	151	147	143	139	145	153	157	160	154	146	144	146	147	148	150	151	151	150	0	14 30	163	10 00	136	27
10			✓	150	151	150	154	155	156	154	152	136	137	145	154	154	160	165	163	162	155	149	144	152	154	156	156	153	1	13 50	168	9 10	127	41
11				154	156	157	161	165	168	173	165	155	146	143	147	159	173	173	161	148	144	145	144	143	140	151	151	155	1	14 10	178	20 58	136	42
12			✓	148	153	154	157	162	164	173	172	165	158	154	164	166	164	163	165	153	148	152	148	149	148	152	147	157	1	7 00	181	17 05	142	39
13				147	151	156	158	162	163	166	158	150	143	143	145	155	160	161	156	150	147	150	148	149	151	151	150	153	1	6 40	169	9 12	139	30
14				149	148	148	152	154	157	166	165	156	153	149	155	166	173	173	162	152	147	148	148	148	150	151	149	155	0	14 05	177	17 10	144	33
15				148	150	152	153	155	157	161	156	146	142	140	149	156	157	154	153	147	144	145	145	147	149	152	151	150	0	6 30	164	10 10	136	28
16				148	144	146	147	154	155	154	160	153	142	136	137	136	136	143	148	146	147	149	151	152	152	151	150	147	1	6 10	167	10 32	132	35
17	✓			149	152	152	153	154	155	158	162	161	160	160	162	159	155	168	165	154	149	150	150	149	149	150	149	155	0	14 50	173	17 20	146	27
18				149	150	151	152	153	156	168	173	165	158	155	157	162	159	152	144	145	152	151	153	154	152	149	147	154	0	7 27	176	15 40	138	38
19				149	152	153	155	160	165	174	184	183	178	183	185	178	167	155	147	144	144	146	147	148	154	152	144	160	1	11 36	187	17 10	141	46
20			✓	147	146	144	156	157	162	165	176	181	175	171	177	179	174	173	163	150	145	147	152	153	154	153	153	161	0	11 57	186	2 00	137	49
21				154	153	153	154	155	156	155	155	153	146	144	145	140	141	141	137	137	140	146	153	154	154	153	154	149	0	7 40	159	16 20	134	25
22				154	152	154	154	155	158	163	165	164	154	157	159	165	166	168	164	153	146	148	148	148	151	153	153	156	0	14 10	172	17 25	143	29
23	✓			153	154	154	155	155	157	158	158	162	162	161	162	163	163	157	152	144	144	147	147	149	151	152	152	155	0	13 10	165	17 00	141	24
24	✓	✓		152	153	154	155	155	155	154	152	144	139	143	153	164	165	162	154	144	140	144	145	147	148	149	151	151	0	13 50	168	9 57	136	32
25	✓	✓		151	151	152	153	156	158	160	162	153	136	124	135	151	158	154	144	137	138	144	144	146	147	147	146	148	0	7 00	165	10 13	120	45
26				145	146	149	153	153	156	162	161	151	138	138	144	154	166	175	169	156	149	149	147	146	146	146	147	152	0	14 20	178	9 50	134	44
27				145	147	151	149	151	151	157	156	153	142	133	138	143	151	160	161	151	142	144	146	147	148	150	149	149	0	15 03	165	10 27	129	36
28				148	147	150	151	154	157	165	164	155	145	144	149	151	166	168	159	147	141	145	146	147	147	146	146	152	0	14 10	174	17 20	136	38
29				145	145	145	152	154	158	168	168	155	147	137	138	138	144	156	155	146	143	144	144	146	147	147	147	149	0	7 03	174	10 58	133	41
30				147	146	146	145	152	155	160	165	164	151	145	131	136	148	153	156	157	151	148	147	147	146	146	145	149	0	7 40	176	11 22	126	50
31				141	145	146	150	155	161	174	180	167	158	157	△					△	149	152	150	150	151	150	150		0	7 00	185			
MEANS ALL DAYS a)				150	151	151	153	156	158	161	162	158	152	151	155	160	162	162	157	150	147	148	148	149	150	151	150	154						36 a)
MEANS TEN DAYS ✻				151	152	152	153	154	156	156	157	156	154	154	159	166	167	163	156	148	146	148	148	149	150	150	150	154						34
MEANS FIVE DAYS † (G. M. T.)				151	152	152	153	154	156	156	155	149	144	142	150	162	165	163	154	145	143	147 146	148 146	149	150	150	151	152						
MEANS FIVE DAYS ‡ (G. M. T.)				151	153	152	156	159	162	166	167	163	158	156	164	168	167	168	164	156	151	150	146	148	150	152	150	157						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

a) Thirty days only, omitting incomplete day May 31

TABLE 507

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		148	149	150	154	157	159	167	167	154	147	143	144	139	140	151	158	157	150	148	148	149	150	150	150	151	0	6 50	173	12 52	135	38
2	✓	✓		150	150	150	151	154	159	166	170	160	146	136	130	130	139	151	159	151	146	147	147	147	149	149	149	149	0	7 49	173	11 54	127	46
3	✓			149	149	148	149	155	156	159	165	166	164	160	154	161	168	169	168	158	147	145	146	146	147	148	148	155	0	14 50	171	17 55	142	29
4				148	148	154	155	155	156	164	165	152	138	135	130	129	138	146	146	148	139	143	146	147	147	148	149	147	1	7 15	173	12 20	126	47
5				149	150	154	155	157	158	162	165	166	159	166	165	169	164	157	148	139	(140	141)	142	144	146	147	148	154	1	11 57	174	16 18	136	38
6				148	147	150	151	154	158	163	170	170	161	157	155	155	152	149	145	140	140	143	145	146	146	146	146	152	0	7 22	173	16 40	137	36
7			✓	147	150	151	152	153	157	166	179	163	149	144	155	149	151	147	148	154	151	163	154	151	150	151	158	154	1	7 17	205	10 31	122	83
8			✓	152	160	161	160	164	172	179	189	187	176	166	164	164	159	146	141	141	141	142	145	148	150	150	150	159	1	7 07	193	16 10	138	55
9			✓	150	151	158	159	162	175	167	175	168	160	149	134	146	146	155	156	149	142	140	142	149	150	151	151	154	1	8 04	184	11 16	125	59
10			✓	153	155	151	155	158	162	164	170	168	159	145	147	148	157	160	165	157	142	146	146	149	149	150	152	154	1	7 26	182	11 26	138	44
11				151	151	152	151	154	157	158	156	151	139	131	147	146	149	149	150	148	145	146	146	148	149	150	150	149	1	8 19	171	9 19	119	52
12				150	151	155	156	156	157	165	164	149	138	134	139	139	147	150	155	151	147	146	145	148	148	149	149	150	0	6 58	170	10 00	130	40
13				150	151	154	156	157	156	167	165	148	135	131	132	141	151	160	156	146	145	146	147	148	151	150	150	150	0	6 51	174	10 30	128	46
14				153	153	154	154	156	157	166	170	161	150	156	156	159	159	160	158	148	144	147	148	149	150	150	150	154	0	7 00	175	17 10	141	34
15	✓	✓		150	151	152	153	154	155	161	164	160	154	156	150	147	150	156	157	149	143	144	145	146	148	149	150	152	0	7 00	167	17 40	140	27
16	✓	✓		152	152	152	154	156	159	166	167	157	143	136	136	138	141	152	155	148	140	141	142	143	145	146	147	149	0	7 00	171	10 43	133	38
17				147	147	147	148	150	154	167	175	170	157	144	135	139	145	145	145	142	142	141	145	147	145	147	153	149	0	7 44	178	11 24	129	49
18			✓	149	157	156	151	155	159	163	170	161	160	159	147	142	133	129	138	145	147	150	149	150	148	148	147	151	1	7 07	176	14 17	125	51
19				153	153	154	159	164	168	175	185	175	165	161	158	146	145	142	147	146	147	147	148	150	152	153	147	156	1	7 25	197	14 10	139	58
20				148	148	148	148	149	156	160	166	168	166	168	168	168	159	161	158	150	148	150	150	150	149	149	148	156	1	12 10	172	3 29	144	28
21				148	149	150	151	155	158	167	170	166	156	150	148	149	150	156	158	158	151	148	147	147	147	147	148	153	0	7 24	174	11 46	144	30
22	✓			149	147	148	150	151	158	168	173	167	161	156	151	156	159	157	148	141	142	145	143	143	144	146	147	152	0	7 30	176	16 40	138	38
23	✓			148	149	150	151	155	160	169	178	171	164	162	157	153	151	151	148	143	144	144	145	145	146	147	147	153	0	7 30	182	16 40	139	43
24	✓			148	148	150	151	155	157	165	168	160	153	147	144	151	158	150	146	145	143	143	144	146	147	148	148	151	0	7 20	171	11 10	140	31
25	✓	✓		148	148	148	149	151	155	167	174	169	158	149	148	155	158	164	157	149	142	143	144	144	147	148	148	153	0	7 40	177	17 40	139	38
26	✓			148	149	148	148	148	155	166	169	164	148	146	149	151	149	148	148	145	140	141	141	144	146	146	147	149	0	6 57	173	17 23	136	37
27				146	144	148	148	150	156	168	173	169	158	158	165	166	163	153	149	148	144	143	145	145	146	146	147	153	0	6 53	177	18 30	140	37
28				146	146	146	148	150	154	160	166	165	164	157	165	176	169	152	141	141	146	152	151	150	149	149	150	154	0	12 54	179	16 50	138	41
29				149	148	151	152	150	155	168	175	171	159	151	148	157	156	150	146	140	140	143	142	145	150	147	147	152	0	7 47	178	17 06	136	42
30				147	148	149	147	150	154	159	169	172	167	165	159	168	169	159	138	134	136	141	143	144	145	146	146	152	0	7 55	182	16 50	130	52
31																																		
MEANS ALL DAYS				149	150	151	152	154	158	165	170	164	155	151	149	151	152	152	151	147	144	145	146	147	148	148	149	152						43
MEANS TEN DAYS ✻				149	149	150	151	154	157	165	170	163	154	149	146	148	151	155	154	149	144	144	144	145	147	148	148	151						36
MEANS FIVE DAYS † (G. M. T.)				150	150	150	152	154	157	165	168	160	150	144	142	142	146	155	157	151	144	147 145	147 145	148	149	149	150	151						
MEANS FIVE DAYS ‡ (G. M. T.)				150	155	155	155	158	165	168	177	169	161	153	149	150	149	147	150	149	145	148	146	148	148	149	152	154						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 508

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1935 — JULY 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				146	147	147	148	150	154	164	170	167	160	159	149	149	156	149	145	140	136	140	142	145	148	148	146	150	0	7 50	175	17 30	131	44
2				148	148	149	150	153	155	168	176	169	157	147	148	150	156	158	155	142	139	141	143	144	145	146	147	151	0	7 14	180	17 10	135	45
3	✓			148	148	149	150	151	155	167	175	162	140	129	129	132	147	156	152	146	139	141	141	143	145	145	146	147	0	7 20	178	10 50	125	53
4	✓			147	148	149	150	151	152	160	164	156	146	144	136	137	146	150	148	147	146	143	143	144	145	146	146	148	0	7 20	167	11 50	133	34
5	✓	✓		146	146	146	148	150	152	160	161	156	142	137	138	144	150	156	150	143	137	141	143	142	144	145	146	147	0	7 00	166	11 04	134	32
6	✓	✓		146	146	146	147	148	150	155	161	168	171	171	168	163	156	149	139	131	135	140	138	140	142	144	144	150	0	10 10	175	16 35	128	47
7				144	145	145	146	147	149	154	164	158	157	156	154	159	161	158	149	139	136	139	139	140	142	143	143	149	1	7 24	168	17 33	130	38
8			✓	140	138	137	136	150	154	157	174	179	188	184	179	184	177	168	160	150	146	148	146	146	145	146	148	158	1	7 50	193	2 55	130	63
9			✓	151	153	155	155	155	158	162	166	159	155	148	149	159	162	161	155	148	144	146	147	146	147	148	148	153	1	7 10	170	17 20	140	30
10	✓			149	150	152	152	156	157	161	163	156	143	139	140	145	145	139	136	139	142	141	142	143	145	146	147	147	0	7 20	167	15 30	132	35
11				147	149	151	150	150	158	159	159	155	154	148	147	149	156	150	145	140	140	140	140	143	146	147	147	149	0	6 27	166	17 20	137	29
12				149	149	149	150	153	155	157	159	157	152	151	153	155	161	157	152	148	140	141	141	143	146	147	148	151	0	13 30	166	17 30	137	29
13	✓			148	148	148	149	150	149	147	148	156	158	155	146	150	149	150	148	140	137	139	141	142	144	145	145	147	0	9 50	161	17 30	134	27
14				146	147	149	147	149	148	156	164	167	168	160	154	149	149	147	142	136	132	134	139	142	146	148	148	149	1	8 56	172	17 33	129	43
15				149	149	150	151	153	156	164	173	167	159	160	155	158	160	158	148	136	137	140	143	144	146	147	147	152	0	7 40	177	16 50	132	45
16				147	147	146	145	148	149	151	156	155	153	150	149	154	142	130	130	135	144	146	146	146	147	147	147	146	0	7 46	160	15 00	126	34
17	✓	✓		148	148	147	148	149	152	159	160	148	136	136	139	147	142	132	131	137	144	143	140	142	145	146	147	144	0	7 00	166	15 00	128	38
18	✓	✓		148	148	147	148	148	152	160	170	172	174	160	148	150	141	130	131	141	149	147	145	146	146	146	149	150	0	9 30	177	14 50	127	50
19				147	141	144	145	148	153	168	184	189	184	171	158	162	157	142	135	139	140	139	139	141	146	145	148	153	0	8 50	193	15 30	131	62
20	✓			146	148	149	150	152	160	172	185	179	162	142	138	134	126	118	119	130	138	139	141	143	145	146	146	146	0	7 55	190	14 30	115	75
21				146	144	142	145	149	156	168	176	178	186	189	177	167	156	139	131	129	136	139	140	141	141	141	141	152	0	10 30	193	16 20	125	68
22			✓	139	143	141	140	149	151	157	165	160	159	169	193	197	167	151	148	150	148	148	149	145	145	147	149	155	1	12 30	203	0 30	135	68
23				147	149	149	150	153	158	166	171	167	160	156	165	180	168	157	147	142	140	141	145	146	147	147	144	154	1	12 27	184	17 30	137	47
24			✓	144	145	141	139	141	146	152	159	166	160	168	170	178	165	149	143	139	141	141	148	141	147	144	147	151	1	12 31	183	16 02	136	47
25			✓	147	145	120	126	133	129	128	141	156	167	168	166	187	178	161	142	146	150	159	151	153	149	145	143	150	1	12 30	191	2 25	115	76
26				142	142	142	142	146	147	151	157	156	155	160	162	160	155	150	149	154	149	146	146	146	146	145	147	150	0	11 23	166	2 35	139	27
27	✓			149	147	147	149	152	157	162	153	147	141	144	150	160	160	152	141	140	145	147	145	145	145	146	146	149	0	6 21	166	16 06	136	30
28				145	146	147	149	150	156	166	170	167	158	149	148	143	147	148	146	147	148	146	145	143	143	145	142	150	0	7 30	174	23 55	139	35
29				139	137	136	138	141	149	160	164	160	161	155	148	148	149	150	150	140	137	142	146	148	149	149	148	148	0	7 25	168	17 13	133	35
30		✓		147	147	147	147	148	149	151	157	157	157	153	154	154	157	158	157	156	157	151	148	148	147	148	147	152	0	7 49	162	0 44	144	18
31				146	146	145	146	148	150	155	153	146	137	(141)	148	155	145	135	136	136	139	140	141	144	148	147	146	145	1	6 38	159	9 35	131	28
MEANS ALL DAYS				146	146	146	146	149	152	159	164	162	158	155	153	157	154	149	144	141	142	143	143	144	146	146	146	150						43
MEANS TEN DAYS ✻				148	148	148	149	151	154	160	164	160	151	146	143	146	146	143	140	139	141	142	142	143	145	146	146	148						42
MEANS FIVE DAYS † (G. M. T.)				147	147	147	148	149	151	157	162	160	156	151	149	152	149	145	142	142	144	143 / 144	144 / 143	144	146	147	147	149						
MEANS FIVE DAYS ‡ (G. M. T.)				144	145	139	139	146	148	151	161	164	166	167	171	181	170	158	150	147	146	148	144	143	144	144	145	152						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 509

DECLINATION

AUGUST 1935

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				146	145	141	144	146	149	149	158	159	164	170	170	166	152	149	148	148	146	141	140	140	141	144	145	150	0	11 50	175	19 30	137	38
2				146	147	148	148	148	148	150	158	154	147	149	155	157	148	146	142	140	139	144	142	144	146	146	146	147	0	8 06	164	17 28	136	28
3	✓	✓		146	146	147	149	150	153	159	158	147	141	139	139	149	164	173	170	161	150	144	140	140	140	141	142	150	0	14 17	176	11 26	136	40
4	✓			144	142	145	148	149	151	157	160	159	149	150	161	169	159	153	148	146	141	141	142	143	144	145	146	150	0	12 07	173	10 18	136	37
5				145	146	147	149	150	154	158	160	160	155	150	155	156	149	149	156	144	137	139	139	139	139	141	143	148	0	7 35	166	17 23	133	33
6				144	146	147	149	150	151	154	149	146	140	138	149	153	143	137	140	139	138	138	139	140	141	141	145	144	0	6 50	159	10 21	132	27
7				147	147	148	148	148	148	150	150	146	147	149	156	167	160	166	157	147	139	139	139	139	141	144	145	149	0	12 10	170	17 56	136	34
8	✓			145	146	147	148	149	152	158	156	145	136	140	149	154	151	147	136	131	134	137	139	139	140	144	145	144	0	7 05	164	16 40	128	36
9				145	147	147	147	148	152	160	161	157	147	140	140	145	142	145	148	149	146	142	140	140	140	141	142	146	0	6 50	165	11 20	136	29
10				146	147	148	149	151	156	163	160	156	157	155	152	151	150	158	152	141	135	137	139	140	142	143	144	149	0	6 47	167	17 42	131	36
11	✓			143	145	147	149	152	155	159	156	147	132	131	129	141	158	179	169	156	143	140	140	140	141	143	144	147	0	14 40	184	11 20	125	59
12	✓	✓		144	144	145	146	147	153	161	167	161	151	142	144	148	(157	165)	156	148	139	138	139	139	141	143	144	148	0	7 10	170	10 40	138	32
13	✓			143	144	145	147	150	152	147	142	134	124	109	110	124	135	146	151	140	137	139	141	141	140	140	142	138	0	5 46	155	11 00	106	49
14	✓	✓		143	143	144	145	147	152	166	171	167	155	145	144	145	146	147	147	144	136	137	137	137	139	141	142	147	0	7 10	174	17 30	134	40
15	✓			140	143	145	145	149	156	167	166	157	150	135	138	146	151	147	137	132	134	138	137	138	139	140	141	145	0	6 48	172	16 37	129	43
16				141	144	146	147	152	157	173	178	175	166	155	154	166	157	145	140	145	145	145	144	142	142	142	143	152	0	7 30	182	15 32	137	45
17	✓	✓		145	146	147	147	149	152	159	159	158	158	155	146	139	142	143	140	140	144	140	139	139	140	141	140	146	0	7 20	162	12 52	136	26
18	✓	✓		140	139	139	144	147	154	166	169	172	173	172	165	156	147	141	135	135	135	138	136	137	139	140	140	148	0	8 56	176	17 10	133	43
19			✓	140	140	141	144	151	155	165	159	160	158	158	164	168	169	167	154	148	147	146	146	146	146	146	144	153	1	13 18	174	2 40	137	37
20			✓	143	137	136	134	143	146	161	174	172	169	168	156	149	142	139	145	148	150	149	147	147	146	147	145	150	1	7 54	181	2 54	132	49
21			✓	142	139	138	139	143	145	146	154	159	155	156	157	159	156	156	153	142	137	139	137	137	140	141	141	146	1	12 30	162	2 53	135	27
22				142	143	144	145	143	143	154	155	143	135	137	140	146	155	158	155	147	145	144	139	138	140	139	138	144	0	14 45	162	9 54	132	30
23				137	138	139	136	137	144	147	142	139	138	145	153	161	163	159	156	147	140	143	143	143	144	143	140	145	0	13 10	166	3 40	133	33
24				140	139	142	142	144	148	156	154	144	138	133	146	154	156	155	154	151	145	141	143	143	142	142	140	146	0	13 25	158	10 17	129	29
25				138	140	140	143	148	150	158	158	154	146	144	147	147	147	145	145	137	137	138	137	137	139	141	141	144	0	7 03	164	17 26	135	29
26				142	142	143	146	147	147	150	147	139	136	137	139	143	144	154	158	150	144	144	141	139	140	143	142	144	0	15 10	162	9 38	132	30
27			✓	142	143	143	144	146	147	156	147	133	123	119	123	133	141	145	136	135	135	143	147	145	144	143	141	140	1	6 23	159	10 10	115	44
28			✓	140	138	139	144	151	157	175	165	148	135	117	105	104	124	140	153	152	146	144	143	141	144	142	140	141	1	6 44	183	12 07	95	88
29				140	142	144	147	152	161	175	174	168	157	146	141	138	136	135	142	144	143	144	144	143	140	138	137	147	0	6 24	177	14 24	131	46
30				137	137	137	140	147	155	164	164	162	151	137	137	146	149	147	140	140	139	139	138	139	139	139	138	144	0	7 30	166	11 20	132	34
31				139	140	141	144	148	156	162	162	157	150	144	143	148	158	158	150	147	144	144	142	144	145	139	141	148	0	6 30	165	22 33	136	29
MEANS ALL DAYS				142	143	144	145	148	152	159	159	154	148	144	145	149	150	151	149	144	141	141	141	141	141	142	142	146						38
MEANS TEN DAYS ✲				143	144	145	147	149	153	160	160	155	147	142	142	147	151	154	149	143	139	139	139	139	140	142	143	146						40
MEANS FIVE DAYS † (G. M. T.)				144	144	144	146	148	153	162	165	161	156	151	148	147	151	154	150	146	141	142 139	141 138	141	142	142	143	148						
MEANS FIVE DAYS ‡ (G. M. T.)				141	139	139	141	147	150	161	160	154	148	144	141	143	146	149	148	145	143	144	143	143	143	144	142	146						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 510

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1935 — SEPTEMBER 1935

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			143	143	145	147	149	156	165	157	143	126	119	119	125	135	140	148	146	137	138	140	141	140	141	141	141	0	6 26	168	11 08	116	52
2	✓	✓		141	142	142	144	147	155	167	167	157	147	145	121	121	128	127	133	135	133	138	140	139	140	140	140	141	0	7 06	170	11 57	118	52
3	✓			141	142	146	148	149	155	157	152	147	140	144	134	137	143	145	148	146	139	139	140	139	139	140	142	144	0	6 25	159	10 48	130	29
4				142	143	144	147	149	155	164	166	164	151	137	128	130	142	144	141	138	136	145	142	142	143	137	138	144	0	7 36	168	11 40	125	43
5	✓			141	143	146	149	154	159	170	171	167	154	137	127	127	131	132	136	136	134	137	138	138	141	142	140	144	0	6 50	175	11 50	125	50
6	✓			140	139	140	145	149	158	177	177	161	146	137	131	134	137	139	138	134	131	138	138	137	138	136	138	143	0	6 50	181	11 44	128	53
7				140	141	144	146	148	155	166	169	165	150	146	134	132	139	146	147	143	137	139	140	139	138	139	140	145	1	7 54	175	12 03	128	47
8	✓	✓		138	138	142	145	148	151	159	159	155	145	128	118	124	130	140	150	147	136	137	137	137	138	140	141	141	0	6 50	163	11 37	115	48
9				139	138	140	144	147	147	140	132	122	114	110	118	133	138	150	159	150	138	141	142	141	138	137	138	137	0	15 37	163	10 15	107	56
10				139	140	140	143	146	148	160	168	166	158	147	149	165	167	164	157	147	138	138	139	140	138	135	141	149	1	7 37	172	22 27	131	41
11			✓	134	132	129	137	148	155	158	169	172	151	151	138	135	136	144	147	137	138	149	145	140	146	138	138	144	2	8 09	184	12 44	124	60
12			✓	137	139	149	149	155	157	165	169	168	159	148	146	146	147	148	149	147	140	143	144	144	140	141	141	149	1	7 30	173	1 00	134	39
13	✓	✓		143	144	145	147	150	154	156	153	148	140	130	134	138	147	155	156	149	146	146	143	141	140	140	140	145	0	6 10	158	10 58	127	31
14	✓			140	140	143	145	148	154	157	158	150	133	122	128	137	138	138	139	139	145	147	146	142	140	139	139	142	0	7 41	160	10 22	119	41
15				139	139	139	139	145	149	157	159	165	159	158	158	166	167	167	166	158	148	150	150	148	147	146	144	153	0	13 49	169	3 00	136	33
16				144	139	138	138	143	145	151	158	159	163	158	154	157	166	170	164	147	137	144	144	146	143	145	143	150	1	14 39	175	17 18	134	41
17				138	139	136	140	145	145	137	143	150	164	158	166	175	172	167	157	150	148	150	156	149	146	145	142	151	1	12 07	178	2 18	133	45
18			✓	143	141	128	129	128	127	130	138	145	143	143	153	163	162	160	158	150	146	145	145	146	146	147	144	144	1	12 32	166	6 00	124	42
19				141	138	137	140	140	139	138	140	141	139	140	145	143	148	149	144	145	146	148	148	147	146	146	146	143	1	13 58	154	2 40	134	20
20	✓			146	145	144	145	144	143	138	138	138	139	146	161	176	188	183	162	147	138	138	139	139	139	140	139	148	0	13 45	191	6 30	135	56
21	✓	✓		139	139	140	143	145	144	138	131	121	114	124	145	160	168	169	164	151	143	139	142	140	139	140	142	142	0	14 36	172	9 18	111	61
22		✓		140	139	139	140	144	149	155	145	134	118	109	125	147	157	158	158	150	143	139	139	138	137	138	139	141	0	14 47	164	10 25	106	58
23			✓	138	139	140	138	147	150	152	147	147	129	140	142	152	160	175	178	173	164	157	151	149	142	142	144	150	1	15 34	183	9 19	109	74
24				146	146	145	147	148	150	154	148	138	126	117	111	111	117	129	144	148	142	139	143	148	141	137	136	138	1	6 54	161	12 55	108	53
25			✓	139	138	137	129	137	149	147	152	156	149	145	148	150	147	149	163	163	150	150	148	146	145	142	137	146	1	16 00	168	3 30	121	47
26				137	140	145	148	148	151	148	148	137	143	147	151	158	163	159	157	149	140	144	146	145	145	140	139	147	1	13 30	165	8 40	132	33
27				139	138	138	137	138	139	138	138	145	149	166	172	167	166	167	162	152	148	148	147	146	146	145	143	149	0	11 36	175	3 20	134	41
28				143	141	139	138	139	147	155	158	159	166	167	170	169	168	163	158	148	145	148	146	147	147	146	146	152	0	12 35	175	2 55	135	40
29				143	140	146	140	139	145	152	164	168	171	169	169	165	155	147	146	146	147	144	144	143	143	143	139	150	0	9 27	175	2 30	134	41
30				139	139	140	142	145	148	148	150	147	156	161	167	160	158	160	157	148	154	156	144	144	145	146	144	150	1	10 20	169	0 00	137	32
31																																		
MEANS ALL DAYS				140	140	141	142	145	149	153	154	151	145	142	142	147	151	153	153	147	142	144	144	143	142	141	141	145						45
MEANS TEN DAYS ✱				141	142	143	146	148	153	158	156	149	138	133	132	138	144	147	147	143	138	140	140	139	139	140	140	143						47
MEANS FIVE DAYS † (G. M. T.)				140	140	142	144	147	151	155	151	143	133	127	129	138	146	150	152	146	140	139 140	141 140	141	139	140	141	142						
MEANS FIVE DAYS ‡ (G. M. T.)				138	138	137	136	143	148	150	155	158	146	145	145	149	150	155	159	154	148	149	144	143	142	139	139	146						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 511

DECLINATION

OCTOBER 1935

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1935

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				137	140	142	143	148	152	149	152	153	156	158	167	175	169	157	149	143	140	141	143	144	144	143	142	149	0	12 49	177	0 51	134	43
2				139	138	139	141	145	142	137	135	139	148	159	171	185	177	169	161	148	138	140	141	143	143	144	144	149	0	12 27	195	7 04	132	63
3	✓	✓		143	140	140	144	145	144	138	144	157	168	175	179	187	176	164	149	140	139	138	139	140	138	139	138	150	0	12 22	189	18 58	135	54
4	✓			138	137	138	139	142	144	137	136	138	145	147	159	168	169	160	148	140	140	139	139	140	139	140	143	144	0	13 20	172	7 09	133	39
5	✓	✓		141	140	141	141	143	142	137	135	133	129	129	142	158	163	154	146	139	140	138	139	139	139	139	139	141	0	13 20	166	9 51	125	41
6	✓	✓		139	138	138	139	141	141	137	133	129	127	135	156	174	173	160	153	141	135	134	135	140	140	143	143	143	0	13 00	177	9 35	124	53
7				141	138	140	140	142	146	128	104	101	101	115	137	156	168	173	164	148	143	141	145	144	141	143	143	139	1	14 12	177	9 06	92	85
8	✓			140	138	138	142	145	150	151	149	145	136	132	141	148	155	149	146	136	132	138	139	137	138	142	141	142	0	13 22	158	10 07	128	30
9	✓	✓		139	139	140	141	143	145	139	141	141	142	147	157	163	160	161	155	135	130	133	137	139	138	132	139	143	0	12 51	165	17 20	128	37
10				140	139	139	140	142	145	146	141	137	141	149	158	153	149	155	152	138	130	138	142	142	140	140	139	143	0	11 47	166	17 00	128	38
11			✓	139	138	137	137	138	139	133	129	125	125	128	137	149	151	151	147	137	136	141	140	142	146	147	147	139	0	13 37	157	9 06	119	38
12	✓			145	143	140	141	143	143	140	146	148	151	155	165	171	170	171	166	148	138	138	142	143	142	143	141	149	0	14 42	174	18 04	136	38
13	✓	✓		139	138	137	138	139	146	148	146	138	134	137	144	136	138	144	138	134	133	138	142	142	138	136	134	139	0	6 33	150	17 00	129	21
14				134	131	131	132	137	137	139	158	171	180	190	188	188	178	160	146	140	137	141	145	147	144	144	141	152	0	10 46	198	1 45	128	70
15				137	133	133	135	133	131	121	122	137	145	160	170	168	164	163	157	136	136	143	144	144	143	141	137	143	1	11 40	178	6 10	119	59
16				134	134	130	130	135	136	131	139	146	152	150	151	151	155	157	149	135	134	139	141	141	142	141	139	141	0	13 50	161	2 20	127	34
17				138	134	136	135	135	136	123	128	137	147	158	169	159	165	167	165	153	146	143	144	141	139	142	139	145	1	11 04	176	6 57	119	57
18				132	127	128	134	138	135	127	130	139	151	166	174	176	170	157	138	132	135	146	144	143	143	142	139	144	0	12 09	178	1 40	121	57
19	✓			138	135	133	135	136	132	125	128	138	146	156	158	160	163	158	143	133	133	138	142	143	144	144	142	142	0	11 58	167	6 50	121	46
20			✓	136	134	134	136	129	119	106	118	133	135	141	168	177	170	175	158	146	145	149	149	148	147	147	145	144	1	11 42	190	6 35	103	87
21			✓	142	136	134	130	130	128	129	134	147	158	175	188	187	183	174	164	157	155	148	152	151	147	143	143	151	1	13 09	196	5 46	119	77
22				138	137	137	137	141	139	132	129	129	142	152	155	146	147	148	147	137	137	139	143	143	145	142	139	141	1	11 33	162	8 10	124	38
23				137	133	132	134	138	138	139	143	150	158	158	153	150	155	154	146	134	132	135	138	139	138	138	137	142	0	10 10	162	17 40	129	33
24			✓	131	127	108	115	109	116	119	121	139	149	139	148	159	171	175	157	139	137	146	150	152	145	146	147	139	2	14 24	178	2 39	100	78
25				146	139	139	143	144	135	126	127	129	130	140	149	152	160	169	167	153	152	147	148	148	148	149	147	145	0	15 01	175	6 38	123	52
26	✓			144	142	141	141	140	136	129	134	140	152	166	171	169	177	177	159	145	142	141	146	142	138	138	136	148	0	13 41	179	6 20	127	52
27			✓	139	143	137	139	142	142	139	148	154	153	162	167	158	156	157	148	138	134	146	148	147	147	146	145	147	1	11 34	174	17 13	128	46
28				147	146	144	144	145	143	136	139	148	157	167	178	183	173	174	167	156	151	149	152	149	148	145	143	154	1	12 32	196	6 35	133	63
29				140	138	137	138	138	136	126	128	137	144	156	158	152	155	154	148	140	137	139	146	143	144	141	138	142	0	10 57	168	6 38	123	45
30				132	131	129	134	136	133	126	120	122	136	152	162	177	177	177	157	146	144	147	147	146	143	138	135	144	0	13 46	181	8 19	118	63
31				129	125	116	117	125	119	110	123	148	156	168	177	176	173	164	148	139	139	140	145	144	145	144	144	142	1	11 12	185	7 01	107	78
MEANS ALL DAYS				139	136	135	137	138	138	132	134	140	145	152	161	165	165	162	153	141	139	141	143	143	142	142	141	144						52
MEANS TEN DAYS ✱				141	139	139	140	142	142	138	139	141	143	148	157	163	164	160	150	139	136	138	140	140	139	140	140	144						41
MEANS FIVE DAYS † (G. M. T.)				140	139	139	141	142	144	140	140	140	140	145	156	164	162	157	148	138	135	139 136	140 138	140	140	142	142	144						
MEANS FIVE DAYS ‡ (G. M. T.)				137	136	130	131	130	129	125	130	140	144	149	162	166	166	166	155	143	141	146	143	143	141	141	140	143						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⃠ = NO RECORD

TABLE 512

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1935

NOVEMBER 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				137	128	129	136	134	129	116	115	127	145	164	170	172	164	154	142	132	133	138	140	145	142	141	139	140	0	12	14	177	7 21	110	67
2				137	137	136	138	137	134	122	128	137	154	158	162	159	162	176	162	147	143	138	142	143	140	141	141	145	0	14	27	182	6 40	119	63
3				141	136	137	139	143	140	131	130	134	138	139	148	156	161	161	153	138	136	137	142	143	142	141	141	142	1	14	31	165	6 47	128	37
4	✓	✓		138	137	136	137	137	136	130	130	136	144	150	157	164	165	167	163	149	140	139	140	141	139	139	139	144	0	14	32	170	6 55	127	43
5			✓	137	135	133	134	135	139	138	135	140	144	165	177	180	179	166	154	142	138	141	147	148	147	142	141	147	0	13	23	189	2 10	131	58
6				140	137	134	136	139	136	130	129	139	151	161	167	166	165	161	152	138	135	138	139	141	142	138	138	144	0	11	27	169	7 00	126	43
7	✓			138	138	139	139	140	136	126	134	137	142	151	150	143	144	146	140	131	132	139	143	140	137	136	135	139	0	11	00	154	6 20	122	32
8	✓			131	130	128	129	132	127	124	141	148	159	166	168	158	157	154	139	128	128	136	139	138	136	136	135	140	0	11	23	175	6 02	120	55
9				133	131	132	132	134	127	117	112	119	137	155	163	166	164	165	155	138	136	130	144	144	141	138	137	140	0	13	33	168	7 10	109	59
10	✓	✓		136	136	136	136	136	132	127	127	129	136	139	137	137	140	140	135	129	129	136	138	139	139	141	139	135	0	14	03	145	6 40	125	20
11				138	136	136	135	134	130	121	119	132	147	155	158	143	148	147	146	137	138	142	146	143	141	138	139	140	0	11	22	167	7 14	115	52
12			✓	129	127	122	126	134	129	124	135	152	179	189	187	166	158	160	149	140	138	148	152	147	146	146	141	147	1	10	51	202	2 50	115	87
13			✓	135	133	130	135	136	130	121	127	138	164	171	189	189	187	182	166	149	143	140	145	146	145	139	137	149	1	12	00	198	6 38	118	80
14			✓	130	126	122	132	137	130	119	127	139	151	171	177	172	166	168	156	139	138	140	144	147	146	143	144	144	0	11	12	182	2 00	113	69
15	✓			141	137	137	138	139	135	120	121	127	136	143	153	149	149	152	144	137	133	134	137	138	138	138	138	138	0	11	50	156	6 31	118	38
16	✓			136	144	142	140	130	130	124	126	135	143	153	148	138	142	145	135	133	131	132	143	145	145	145	142	139	0	10	50	156	6 30	121	35
17	✓	✓		142	140	136	137	142	137	125	124	128	138	146	156	164	156	156	154	146	135	133	136	137	136	135	133	140	0	13	35	167	7 05	120	47
18				136	135	134	135	135	132	124	125	130	137	145	156	156	152	146	150	146	140	142	145	145	144	141	136	140	0	11	37	163	6 22	121	42
19				134	131	126	127	133	125	113	119	129	147	150	160	169	166	156	147	141	135	134	137	138	138	136	134	139	0	12	08	174	6 20	111	63
20				132	132	131	130	129	126	119	126	137	145	157	175	172	165	153	148	138	133	133	135	136	135	136	134	140	0	11	30	181	6 20	116	65
21				128	129	131	132	129	128	132	143	155	156	148	147	138	130	133	130	128	127	128	135	137	136	136	135	135	0	8	43	162	17 20	125	37
22				135	134	133	134	135	133	128	131	141	147	149	152	148	157	154	144	135	127	135	136	137	138	138	136	139	0	13	27	164	6 06	125	39
23	✓			131	127	127	127	127	125	122	128	144	154	164	173	167	161	154	141	128	124	130	137	138	137	137	135	139	0	11	20	176	6 10	119	57
24				134	132	130	126	125	117	106	115	127	142	157	169	166	156	147	135	127	122	127	134	135	135	136	136	135	0	11	45	173	6 30	104	69
25	✓	✓		135	134	130	127	127	119	111	118	130	138	146	156	146	134	120	117	119	125	132	140	141	139	137	137	132	0	11	33	162	6 29	108	54
26	✓	✓		136	135	135	134	133	125	118	135	153	165	175	169	160	148	135	120	118	122	130	140	142	140	139	137	139	0	10	42	177	6 15	115	62
27			✓	136	136	135	129	129	124	113	117	125	141	157	168	135	146	134	115	116	124	132	140	144	144	140	138	134	1	11	10	177	6 33	110	67
28				138	133	129	129	127	125	112	115	134	153	158	163	158	159	156	148	137	134	136	143	143	143	139	137	140	0	11	38	167	6 48	108	59
29				132	126	124	119	117	115	112	118	132	136	143	147	147	145	144	123	107	115	132	146	147	146	141	144	132	0	13	46	149	16 41	104	45
30				144	130	136	133	143	134	128	138	158	181	198	203	205	185	174	153	136	126	127	136	140	142	140	140	151	1	12	28	216	18 00	122	94
31																																			
MEANS ALL DAYS				136	133	132	133	134	129	122	126	136	148	157	163	160	157	154	144	134	132	135	141	142	141	139	138	140							55
MEANS TEN DAYS ✲				136	136	135	134	134	130	123	128	137	146	153	157	153	150	147	139	132	130	134	139	140	139	138	137	139							44
MEANS FIVE DAYS † (G. M. T.)				137	136	135	134	135	130	122	127	135	144	151	155	154	149	144	138	132	130	132 134	141 139	142	140	139	139	138							
MEANS FIVE DAYS ‡ (G. M. T.)				133	131	128	131	134	130	123	128	139	156	171	180	168	167	162	148	137	136	140	145	144	142	140	139	144							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 513

DECLINATION

7° EAST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1935 — DECEMBER 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	135	135	135	135	137	130	115	133	160	174	174	167	165	145	134	127	121	122	127	135	138	135	134	133	139	0	9 30	182	6 20	113	69
2				130	128	134	132	132	126	123	143	162	184	191	194	183	169	156	144	135	130	126	135	136	136	143	141	146	1	11 30	199	6 10	119	80
3				135	135	136	135	133	128	122	136	154	174	191	201	204	193	165	147	135	126	124	130	132	135	135	136	148	0	12 50	208	6 10	120	88
4	✓	✓		138	137	136	136	136	131	124	129	139	154	175	192	188	184	179	162	136	124	122	127	131	134	134	135	145	0	11 20	195	18 00	120	75
5	✓	✓		136	137	139	138	135	124	115	123	132	142	169	197	193	180	162	154	138	119	121	129	134	135	136	136	143	0	11 40	210	6 20	113	97
6	✓	✓		135	135	135	134	135	128	119	124	141	153	154	163	162	162	160	148	144	131	127	134	135	137	138	136	140	0	11 49	168	6 48	116	52
7	✓			135	135	132	131	133	124	111	116	126	139	161	167	173	171	157	154	145	135	133	136	143	143	143	141	141	0	13 04	179	6 10	107	72
8				135	129	127	126	123	111	100	114	139	157	173	155	145	134	122	107	111	123	133	136	139	141	142	136	132	0	10 35	178	6 11	97	81
9				133	130	129	130	124	111	103	120	143	151	151	162	171	166	147	125	119	124	135	139	140	135	136	133	136	0	12 30	174	6 20	101	73
10				126	123	123	122	120	112	106	109	136	154	175	174	170	158	145	131	123	129	134	142	137	137	135	132	136	0	10 47	183	6 10	104	79
11				127	126	124	124	124	124	128	146	157	170	173	169	157	155	157	149	135	135	135	140	141	137	135	133	142	0	11 04	177	6 00	122	55
12				131	126	124	121	124	118	108	117	136	148	167	175	182	174	155	144	134	125	130	138	140	135	133	133	138	0	12 30	185	6 30	105	80
13				122	116	114	120	125	128	121	131	140	144	155	165	163	155	150	140	129	129	130	135	135	136	136	135	136	1	11 20	170	2 09	112	58
14			✓	134	133	132	131	128	121	117	130	153	174	192	190	185	185	165	147	142	140	135	144	143	149	138	134	148	1	11 18	205	5 58	113	92
15				126	125	121	116	115	117	125	149	174	193	200	204	193	177	165	147	132	124	125	133	137	137	136	134	146	0	11 30	209	5 56	112	97
16				129	123	116	119	121	115	122	134	165	178	178	180	178	171	162	142	134	132	130	134	136	138	138	135	142	0	10 04	185	2 13	114	71
17				131	128	125	124	123	121	107	112	125	132	140	144	142	137	136	142	141	133	131	133	135	135	133	130	131	0	11 26	150	6 50	104	46
18	✓			146	124	123	123	124	129	128	135	142	153	144	148	153	159	163	143	126	124	127	134	135	135	134	131	137	0	14 30	169	4 00	120	49
19	✓			127	125	129	132	130	127	125	135	152	171	184	189	172	162	153	151	134	125	129	131	131	133	132	130	142	0	11 03	193	6 10	123	70
20	✓			128	126	125	124	125	123	111	120	129	150	168	177	170	162	162	151	126	120	123	128	131	131	130	129	136	0	11 17	181	6 30	108	73
21	✓			129	126	123	121	120	122	123	137	153	172	185	183	175	171	156	135	126	129	133	133	129	130	131	131	141	0	10 23	191	4 27	117	74
22	✓	✓		132	131	127	124	125	124	116	129	140	160	183	204	204	183	158	141	124	118	122	128	130	131	132	131	142	0	11 43	211	6 18	114	97
23	✓	✓		130	128	125	124	124	123	121	133	149	159	172	175	161	137	131	126	121	118	123	127	133	133	133	133	135	0	11 15	180	6 04	116	64
24				130	124	124	119	118	113	112	130	151	165	191	193	183	182	174	163	131	122	124	132	136	140	141	135	143	0	10 51	201	6 10	108	93
25				131	125	123	124	121	121	116	118	133	144	166	171	158	139	139	134	116	121	123	138	142	142	143	140	134	0	11 05	174	16 46	113	61
26			✓	138	133	134	115	113	113	113	120	129	135	153	145	146	154	165	159	138	133	124	134	142	140	143	135	136	1	14 43	172	3 58	109	63
27			✓	134	129	127	132	131	131	122	127	137	148	164	170	156	149	151	145	136	131	131	134	134	128	134	134	138	0	11 00	173	6 26	116	57
28			✓	136	141	136	136	144	145	132	139	144	163	181	183	171	160	143	133	130	122	119	124	132	126	132	134	142	1	11 02	191	17 52	113	78
29				132	134	134	135	137	131	123	134	158	178	192	182	167	161	141	133	130	121	117	128	128	129	133	134	141	0	10 40	195	18 22	114	81
30				134	135	134	135	138	132	115	118	141	168	192	192	172	153	133	121	121	121	118	124	129	131	133	134	138	0	11 04	201	6 47	112	89
31				133	134	133	133	135	135	127	129	162	169	175	180	166	155	141	132	125	119	118	124	130	132	132	133	140	0	12 00	183	17 48	115	68
MEANS ALL DAYS				132	130	128	127	128	124	118	128	145	160	173	177	171	163	152	141	130	126	127	133	135	135	136	134	140						74
MEANS TEN DAYS ✲				134	130	129	129	129	126	119	128	140	155	170	180	175	167	158	146	132	124	126	131	133	134	134	133	140						72
MEANS FIVE DAYS † (G. M. T.)				134	134	132	131	131	126	119	128	140	154	171	186	182	169	158	146	133	122	124 123	129 129	131	133	134	134	141						
MEANS FIVE DAYS ‡ (G. M. T.)				135	134	133	130	131	128	120	130	145	159	173	171	165	159	152	142	133	130	127	135	139	138	139	137	141						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 514

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JANUARY 1935 — JANUARY 1935

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				592	592	591	597	601	594	584	599	637	667	689	699	683	655	617	588	592	597	593	589	590	599	583	581	613	0	10	14	716	23 02	578	138
2				588	589	589	586	586	592	599	607	615	635	623	623	641	617	599	596	601	600	597	593	592	590	592	592	602	1	9	49	663	4 17	577	86
3				592	595	595	594	593	598	606	617	647	675	669	676	662	637	599	582	583	590	586	569	581	590	589	589	609	1	11	29	704	19 17	563	141
4				585	596	593	595	594	593	597	610	640	680	680	668	636	581	562	578	590	585	592	590	591	595	590	587	604	0	10	12	687	14 02	549	138
5	✓			588	588	589	588	594	595	607	618	643	672	696	693	670	638	597	567	570	588	595	595	594	596	596	593	611	0	10	48	711	15 54	560	151
6	✓	✓		595	596	596	593	596	597	612	633	672	707	716	697	663	621	585	576	576	587	596	602	601	601	606	610	618	0	10	14	719	16 14	571	148
7	✓	✓		610	609	615	614	618	620	631	647	663	693	702	681	650	614	589	587	596	608	615	613	613	616	617	616	627	0	10	47	709	14 23	582	127
8	✓	✓		616	619	621	620	618	622	636	660	680	714	717	684	656	624	597	587	595	613	619	614	614	614	614	614	632	0	9	44	724	15 00	581	143
9	✓	✓		615	615	616	616	616	620	628	640	671	706	725	726	713	680	645	612	589	592	603	616	616	616	612	614	638	0	11	35	734	16 16	587	147
10	✓	✓		613	613	611	610	611	615	627	639	653	670	681	677	674	640	613	613	614	608	614	602	590	585	598	603	624	0	10	04	695	21 17	581	114
11				603	602	605	604	607	608	618	613	622	635	660	661	688	688	680	647	622	604	591	597	601	602	602	603	623	0	12	47	695	18 43	588	107
12	✓			598	597	592	594	597	602	611	622	648	666	691	683	686	659	641	618	596	586	581	585	593	594	593	587	618	0	10	43	710	19 00	576	134
13	✓			589	591	598	596	594	598	609	626	643	668	679	679	676	669	650	633	611	607	600	598	598	598	595	598	621	0	11	05	691	1 29	587	104
14	✓			600	594	595	600	601	603	618	633	652	676	688	686	676	661	630	611	606	611	595	588	597	593	606	608	622	0	10	54	693	19 10	584	109
15				601	593	603	608	610	601	604	619	640	673	701	695	695	670	655	628	605	596	594	598	596	598	597	600	624	1	11	01	714	1 20	584	130
16				602	601	599	598	598	604	613	615	631	650	658	669	687	670	638	618	604	603	596	572	576	559	582	587	614	0	12	41	695	21 35	547	148
17			✓	585	582	605	598	591	591	584	583	610	612	652	642	637	628	610	595	596	571	570	562	575	584	570	577	596	1	10	28	673	19 44	559	114
18				579	583	587	590	591	594	614	633	662	671	687	683	676	663	635	612	600	592	582	582	588	592	595	596	616	1	9	14	712	18 56	574	138
19				591	588	589	587	585	587	595	620	650	682	686	662	638	603	570	570	585	592	590	584	588	584	593	596	605	0	9	21	701	15 17	564	137
20	✓			593	596	592	592	593	595	606	631	665	694	714	708	690	666	640	602	572	575	585	590	586	583	589	592	619	0	10	30	716	17 04	568	148
21				593	589	589	591	591	591	598	610	639	670	692	699	696	655	593	548	532	529	546	552	541	550	564	574	597	0	11	37	710	16 43	521	189
22				575	580	577	580	581	584	596	615	653	680	680	673	657	627	597	587	573	562	556	546	556	569	584	581	599	0	9	41	696	19 37	540	156
23			✓	579	585	584	601	600	598	609	618	654	681	701	708	688	673	602	568	548	571	589	592	591	581	587	589	612	1	11	48	732	16 33	535	197
24			✓	591	589	587	592	596	596	613	632	667	693	712	676	646	628	609	582	546	556	562	578	577	587	583	587	608	1	10	09	744	17 02	539	205
25				589	588	589	591	591	594	606	624	662	694	715	714	701	651	610	571	580	589	588	580	599	587	585	587	616	0	12	11	724	15 36	568	156
26				584	582	590	594	596	598	611	634	664	691	697	685	656	632	607	590	578	585	598	599	597	596	596	596	615	0	9	57	723	16 32	574	149
27			✓	600	603	603	605	605	613	627	658	685	739	808	789	776	675	625	527	527	517	532	516	513	507	510	516	612	2	9	54	851	19 58	487	364
28			✓	526	534	545	548	555	561	578	596	631	670	705	719	699	659	621	575	561	580	584	588	587	589	589	589	600	1	11	47	733	0 00	522	211
29				588	600	596	594	589	591	594	589	597	625	669	686	689	688	676	653	627	603	598	599	599	599	600	599	619	0	11	58	695	7 37	584	111
30				600	597	594	592	585	589	584	574	603	616	651	675	680	Δ									Δ	[580]		0						
31				580	583	582	594	591	601	589	565	589	(605)	644	660	673	679	669	638	606	585	580	579	577	573	570	573	604	1	12	57	682	7 13	548	134
MEANS ALL DAYS a)				591	592	594	596	596	599	607	620	646	673	691	687	676	648	619	595	586	586	588	586	587	588	590	591	614							149 a)
MEANS TEN DAYS *				602	602	602	602	604	607	618	635	659	687	701	691	675	647	619	601	592	598	600	600	600	600	603	604	623							132
MEANS FIVE DAYS † (G. M. T.)				610	610	612	611	612	615	627	644	668	698	708	693	671	636	606	595	594	602	606 609	608 609	608	609	609	609	628							
MEANS FIVE DAYS ‡ (G. M. T.)				576	579	585	589	589	592	602	617	649	679	716	707	689	653	613	569	556	559	567	565	567	562	572	574	605							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day January 30

TABLE 515

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1935

FEBRUARY 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	577	576	576	583	592	593	595	570	555	556	580	603	615	601	586	Δ		Δ	[500]	491	493	494	512	523		1	12	23 624	[19	47 487	137]
2			✓	537	540	545	556	563	574	572	578	568	588	575	588	570	571	523	544	577	586	576	567	564	563	564	564	565	1	12	00 615	14	55 497	118
3				568	569	572	567	575	570	563	536	536	587	628	633	657	657	643	615	595	580	574	571	572	574	570	573	587	1	12	57 670	8	08 519	151
4	✓	✓		572	574	576	577	580	585	594	619	650	681	691	680	651	621	588	581	580	594	595	586	586	588	588	588	605	0	10	47 700	0	00 571	129
5	✓			585	591	590	587	588	588	594	615	647	691	721	715	688	645	615	607	602	590	588	589	588	586	584	583	616	0	10	52 727	23	04 582	145
6	✓			592	599	594	597	593	594	602	617	647	680	701	696	689	644	612	584	580	588	594	594	595	595	593	594	616	0	12	23 707	16	16 577	130
7				593	597	599	606	609	613	624	637	660	697	717	728	738	709	681	641	606	585	588	580	588	590	590	587	632	0	12	18 743	19	18 575	168
8	✓			588	590	593	600	595	596	595	605	641	683	716	722	732	716	675	629	601	594	589	586	586	582	585	590	625	0	11	57 740	21	48 578	162
9	✓			593	592	598	599	595	595	586	588	607	648	684	700	702	678	650	620	600	592	592	595	597	595	592	590	616	0	12	03 713	7	27 580	133
10				589	589	590	589	591	595	596	608	643	678	727	697	686	680	664	648	627	604	598	602	602	600	593	593	625	1	10	32 753	1	48 587	166
11	✓	✓		596	598	599	602	603	606	590	566	563	591	626	670	699	707	693	663	638	621	604	589	583	587	586	589	615	0	12	59 712	7	53 555	157
12				588	590	594	597	597	597	594	580	585	610	649	679	695	690	679	664	639	619	613	602	596	602	589	572	618	0	12	20 706	23	32 569	137
13			✓	586	583	579	595	597	594	597	579	599	633	649	633	677	661	642	607	560	528	504	535	559	536	532	532	587	1	13	18 701	18	15 489	212
14			✓	559	561	577	577	570	566	558	544	581	589	644	666	652	656	633	617	601	591	579	573	587	575	575	587	592	1	11	18 696	7	23 534	162
15				577	568	570	575	579	578	587	615	658	691	709	677	647	617	589	569	581	586	585	585	585	585	584	583	603	1	10	07 724	15	47 559	165
16				581	581	585	587	589	586	592	604	641	690	716	706	711	675	664	636	611	591	576	565	568	586	593	587	618	1	10	40 744	19	53 557	187
17				577	578	580	584	587	588	588	604	637	669	703	717	694	667	638	605	591	586	581	577	573	578	590	588	612	0	11	25 731	21	26 570	161
18				592	590	582	583	592	589	597	617	656	701	728	715	700	672	624	598	584	587	594	593	588	585	587	585	618	0	10	47 749	2	31 580	169
19	✓	✓		587	590	591	591	592	594	594	600	620	635	646	650	646	617	600	595	600	607	607	599	597	595	597	596	606	0	11	11 663	0	10 585	78
20				593	593	590	593	597	602	603	620	661	723	735	735	718	655	595	565	560	562	566	587	586	570	581	587	616	1	11	18 757	15	45 557	200
21				586	594	586	582	592	594	597	594	635	649	686	691	645	611	590	574	576	570	578	583	574	579	595	583	602	1	11	11 713	15	40 559	154
22	✓			584	585	586	585	586	591	595	611	653	685	703	698	675	635	611	599	605	604	598	593	590	589	593	592	614	0	10	05 711	0	00 582	129
23				590	594	589	590	591	593	594	608	652	699	727	735	710	686	634	601	575	572	585	585	587	593	594	594	620	0	11	07 755	17	42 566	189
24				594	592	593	588	584	580	560	543	561	610	647	681	654	617	582	546	543	551	553	562	569	566	564	565	584	1	11	30 697	15	51 536	161
25				567	569	572	582	583	593	591	596	622	646	673	689	694	670	644	629	621	616	609	599	593	586	575	593	613	1	12	05 707	0	02 562	145
26			✓	589	578	581	582	591	592	582	570	586	601	623	639	648	641	645	(635)	605	585	577	584	584	584	581	580	598	1	12	28 661	7	47 560	101
27	✓	✓		582	587	584	584	587	592	595	606	621	642	650	656	655	651	643	630	615	604	596	594	594	592	590	591	610	0	12	17 664	0	05 580	84
28	✓	✓		589	590	591	593	596	598	595	599	618	651	668	667	655	640	623	620	618	612	602	600	600	598	593	594	613	0	11	41 678	0	36 588	90
29																																		
30																																		
31																																		
MEANS ALL DAYS a)				583	584	585	587	589	590	590	595	620	654	679	684	677	655	629	608	596	589	585	584	585	584	584	584	608						153 a)
MEANS TEN DAYS ✻				587	590	590	592	592	594	594	603	627	659	681	685	679	655	631	613	604	601	596	592	592	591	590	591	614						124
MEANS FIVE DAYS † (G. M. T.)				585	588	588	589	592	595	594	598	614	640	656	665	661	647	629	618	610	608	588 601	589 594	588	587	584	584	609						
MEANS FOUR DAYS ‡ (G. M. T.) b)				568	566	570	578	580	582	577	568	584	603	623	632	637	632	611	601	586	572	559	557	560	554	552	555	584						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 1

b) Omitting incomplete Greenwich day February 1

TABLE 516

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1935

MARCH 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				593	594	598	596	611	604	592	603	609	607	661	675	705	686	656	639	616	603	599	597	597	593	595	592	618	1	13 20	744	7 10	582	162
2				593	589	600	586	595	595	591	599	617	648	655	621	607	634	632	627	625	611	597	591	587	588	587	588	607	1	10 16	677	3 36	579	98
3				589	589	589	593	597	600	598	608	636	676	680	677	673	638	611	595	597	597	592	583	592	588	586	587	611	0	11 36	694	19 24	581	113
4	✓	✓		587	592	595	597	598	598	588	597	637	674	688	693	673	652	622	605	605	609	605	600	599	596	598	599	617	0	11 20	703	7 04	583	120
5	✓			595	592	594	597	599	603	601	609	645	675	687	691	677	661	641	623	614	605	603	604	598	586	580	586	619	0	11 14	704	22 10	579	125
6	✓			586	590	594	598	600	602	594	602	638	674	693	696	659	634	611	602	595	592	585	582	582	586	587	589	611	0	11 18	707	20 20	578	129
7	✓			593	595	596	598	596	595	593	597	630	675	700	703	702	660	622	605	602	588	565	559	566	567	571	572	610	0	12 11	717	19 25	557	160
8	✓			573	577	579	581	582	583	579	588	613	647	675	669	652	633	602	593	591	583	578	571	564	578	579	582	598	0	10 24	689	20 18	562	127
9				585	586	589	593	597	600	587	581	605	635	627	660	663	640	626	613	602	591	584	581	578	583	586	590	603	0	12 11	666	7 09	576	90
10	✓	✓		591	593	592	592	593	594	590	588	611	655	670	664	653	640	607	588	568	584	576	568	569	576	582	588	602	0	10 27	677	19 49	564	113
11				584	581	581	581	586	601	596	597	608	643	639	633	635	625	639	637	629	609	590	585	587	590	590	589	606	1	12 26	664	3 46	579	85
12				590	596	595	594	596	598	597	607	640	686	721	721	698	666	645	634	636	627	601	570	563	572	586	594	622	0	10 37	733	20 04	558	175
13			✓	575	570	576	580	578	580	571	581	619	658	667	633	583	532	572	600	614	608	591	583	583	578	570	573	591	1	10 38	696	13 28	492	204
14			✓	576	577	577	569	577	581	577	598	637	648	626	645	566	524	574	593	575	568	556	568	548	570	550	557	581	1	10 34	707	13 22	510	197
15			✓	555	560	567	562	571	575	571	586	620	659	637	626	599	592	586	572	582	586	574	568	564	569	568	572	584	1	9 14	697	1 17	551	146
16			✓	562	562	564	564	564	573	578	607	643	667	676	631	600	557	542	555	580	590	581	585	573	573	575	586	587	1	10 38	693	14 12	536	157
17				574	570	576	575	575	575	577	600	638	662	678	671	640	621	607	592	587	589	574	570	564	574	572	573	597	0	10 33	690	20 20	560	130
18				576	575	577	580	581	580	586	616	655	694	703	676	638	589	581	586	590	596	584	566	562	571	578	578	601	0	9 55	722	20 37	558	164
19				572	572	574	578	584	585	584	605	647	680	692	689	666	659	616	598	589	576	569	562	574	568	570	571	603	0	10 30	696	19 43	558	138
20				572	572	577	578	581	584	592	622	641	673	694	688	679	639	623	598	590	582	578	578	572	569	562	571	605	1	11 11	716	21 59	557	159
21				572	585	582	589	591	598	599	619	683	717	740	700	660	622	584	569	577	560	551	547	578	569	560	564	605	1	10 37	758	19 05	544	214
22				567	570	583	577	580	584	584	602	641	682	714	720	697	663	626	605	589	586	586	587	583	582	582	584	611	0	11 00	727	1 20	566	161
23				582	583	584	584	585	587	582	594	639	691	725	739	729	692	654	615	590	594	591	572	558	557	577	583	616	0	11 34	744	20 55	549	195
24				567	579	582	582	583	585	586	598	632	656	682	683	685	649	638	590	570	571	568	561	554	563	566	569	600	1	12 13	716	20 47	551	165
25				582	578	584	584	582	584	578	584	623	653	673	679	656	635	614	599	593	592	588	579	572	573	579	576	602	0	10 07	688	21 07	568	120
26	✓			577	579	580	584	585	585	578	584	629	677	696	693	668	622	602	589	581	581	579	574	576	576	580	585	602	0	10 47	707	22 07	568	139
27	✓	✓		585	585	584	591	597	597	597	610	644	684	694	702	691	672	638	616	609	606	598	593	594	595	594	592	620	0	11 42	710	2 32	582	128
28	✓	✓		592	594	593	593	593	595	599	612	640	671	701	704	679	658	632	610	602	597	589	584	585	586	587	587	616	0	11 26	712	19 52	582	130
29	✓	✓		587	587	589	594	596	595	597	616	646	684	712	716	710	697	672	644	632	613	605	604	608	607	601	599	630	0	12 03	721	0 34	585	136
30			✓	602	600	602	605	607	609	609	649	700	696	660	704	706	700	659	635	603	588	587	589	590	586	580	581	627	1	11 23	743	23 12	572	171
31				574	579	580	587	590	592	591	587	623	655	662	660	654	648	646	634	619	600	591	590	590	590	589	589	609	1	12 38	671	0 28	569	102
MEANS ALL DAYS				581	582	585	586	589	591	588	601	635	668	682	679	661	637	619	605	599	593	584	579	578	579	580	582	607						144
MEANS TEN DAYS ✻				587	588	590	592	594	595	592	600	633	672	692	693	676	653	625	608	602	596	588	584	584	585	586	588	613						131
MEANS FIVE DAYS (G. M. T.) †				588	590	591	593	595	596	594	605	636	674	693	696	681	664	634	613	607	602	588 595	583 590	585	586	587	588	616						
MEANS FIVE DAYS (G. M. T.) ‡				574	574	577	576	579	584	581	604	644	666	653	648	611	581	587	591	591	588	578	579	573	579	575	579	595						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 517

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1935

APRIL 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				589	589	590	592	591	589	585	595	626	656	678	683	679	672	656	640	617	602	597	594	592	590	589	588	616	0	12 10	688	6 37	582	106
2	✓	✓		588	589	591	592	596	597	604	627	664	701	722	718	686	648	622	618	614	607	603	600	598	597	596	596	624	0	10 57	728	0 37	587	141
3	✓			596	596	596	596	599	601	610	631	669	708	729	711	679	643	(619	617	616)	615	610	600	592	585	585	585	624	0	10 06	737	24 00	583	154
4	✓			583	583	589	590	592	594	599	629	679	736	751	755	709	664	617	(600)	598	596	597	594	594	591	585	583	625	0	11 12	763	0 13	581	182
5	✓			585	587	592	596	594	594	592	617	665	710	722	708	681	641	610	600	601	599	594	591	593	593	591	590	619	0	10 27	732	0 02	582	150
6	✓	✓		590	591	594	598	598	597	591	603	648	692	723	722	698	664	638	620	613	611	609	606	605	602	600	599	626	0	10 43	729	6 43	588	141
7	✓	✓		599	601	602	604	605	604	601	608	643	685	712	711	695	673	648	624	613	611	608	602	600	595	588	584	626	0	11 13	717	23 53	578	139
8				574	582	594	602	602	599	600	612	636	664	677	722	702	684	665	645	625	612	612	607	597	570	537	520	618	1	11 21	750	23 25	515	235
9			✓	525	525	535	547	546	553	(554	568)	605	630	644	649	652	639	624	612	598	585	581	585	589	596	593	593	589	1	11 18	664	0 00	523	141
10			✓	590	594	600	606	603	600	602	619	608	647	611	682	658	607	575	533	540	542	554	536	523	546	532	548	586	2	11 43	773	15 24	508	265
11			✓	553	551	571	584	579	582	567	544	580	592	599	634	629	617	582	589	574	564	537	550	575	564	572	571	578	1	11 10	666	18 26	529	137
12			✓	581	587	567	573	579	578	582	589	605	625	641	627	631	617	612	(596)	580	567	566	571	556	587	563	572	590	1	10 34	688	20 52	543	145
13			✓	577	568	571	573	582	580	577	591	611	645	662	658	651	625	618	603	595	584	575	575	575	574	572	579	597	1	12 03	679	1 38	566	113
14				581	578	582	578	581	582	589	605	628	657	676	681	673	661	635	610	594	586	579	578	576	586	578	584	607	0	11 25	688	22 51	572	116
15				584	578	580	580	576	585	590	606	636	665	672	682	666	650	633	620	613	609	597	593	590	590	588	590	611	0	11 36	694	4 10	575	119
16				587	594	593	596	601	606	594	612	636	673	711	689	638	598	592	592	594	576	565	564	572	565	560	574	603	0	10 40	721	23 00	557	164
17				575	577	578	583	588	587	593	606	634	665	682	661	651	619	602	606	603	592	584	584	583	578	563	566	602	0	10 14	692	22 36	559	133
18				569	593	587	586	587	591	599	614	646	679	699	708	680	659	630	593	578	579	581	585	582	583	584	586	612	0	11 00	724	0 03	561	163
19				587	585	585	587	587	588	585	574	609	643	683	701	679	645	615	595	588	580	575	572	578	581	583	583	604	0	11 26	706	19 36	566	140
20				586	586	588	589	589	590	587	593	623	661	692	693	688	661	631	611	601	591	586	583	584	574	574	570	610	0	10 47	698	23 53	568	130
21				573	576	581	585	587	587	587	598	629	675	705	710	700	665	636	606	593	586	587	587	589	586	584	586	612	0	10 40	715	0 00	569	146
22	✓			585	586	588	590	593	593	586	594	628	668	701	708	691	656	632	611	601	594	590	591	594	596	595	593	615	0	11 22	718	6 59	583	135
23				593	595	596	596	597	603	596	590	588	641	683	700	704	687	652	601	570	559	565	576	577	573	571	576	608	0	12 56	708	17 40	557	151
24				583	588	589	590	593	592	587	581	597	634	665	702	702	684	655	624	596	588	583	588	589	584	585	575	611	0	11 18	711	7 44	572	139
25				579	589	588	588	590	592	589	588	593	621	641	652	654	657	649	636	619	609	603	601	599	598	594	590	609	0	11 09	668	0 00	575	93
26				587	590	588	593	599	600	591	579	585	603	619	640	642	646	644	636	616	599	594	590	588	589	591	593	604	0	13 37	650	7 50	576	74
27	✓	✓		594	595	597	599	603	603	606	615	628	647	670	679	676	665	651	635	620	607	603	599	597	598	595	597	620	0	11 38	682	1 05	592	90
28	✓	✓		600	601	603	604	604	606	613	615	628	652	668	671	666	665	660	650	632	615	610	609	606	604	606	607	625	0	11 10	673	0 00	598	75
29	✓			608	606	609	612	612	615	618	622	638	663	683	692	687	667	650	636	628	615	612	611	608	606	606	604	630	0	11 35	694	23 36	603	91
30				605	603	606	609	616	618	638	662	691	715	720	726	706	672	662	647	633	618	613	612	615	613	611	606	642	0	11 01	738	1 54	601	137
31																																		
MEANS ALL DAYS				584	585	588	591	592	594	594	603	629	662	681	689	675	652	630	614	602	593	589	588	587	586	582	583	611						138
MEANS TEN DAYS ✲				593	594	596	598	600	600	602	616	649	686	708	708	687	659	635	621	614	607	604	600	599	597	595	594	623						130
MEANS FIVE DAYS (G. M. T.) †				594	595	597	599	601	601	603	614	642	675	699	700	684	663	644	629	618	610	599 607	596 603	595	594	593	593	623						
MEANS FIVE DAYS (G. M. T.) ‡				565	565	569	577	578	579	576	582	602	628	631	650	644	621	602	587	577	568	563	570	568	573	559	561	587						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 518

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1935 — MAY 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	600	602	603	603	604	610	621	647	715	683	683	663	640	623	644	622	611	566	483	483	486	489	526	544	598	2	8 33	755	18 50	460	295
2			✓	552	562	566	573	578	593	596	609	627	653	675	682	669	635	609	597	590	591	590	588	587	586	587	588	603	1	10 37	699	0 02	549	150
3				584	584	584	582	578	582	582	603	645	679	697	702	681	653	629	603	589	584	582	583	583	582	581	581	610	0	10 47	708	5 58	577	131
4	✓			584	585	587	585	587	583	585	601	633	671	700	704	685	656	623	597	587	585	585	583	587	589	590	590	611	0	10 47	716	19 18	581	135
5	✓			590	591	592	594	595	595	599	610	637	669	698	709	699	668	636	613	602	600	598	594	591	592	594	593	619	0	12 06	711	0 38	589	122
6	✓	✓		594	594	593	592	594	596	603	619	649	682	713	718	711	693	668	638	615	603	601	606	602	603	603	603	629	0	11 20	721	3 47	591	130
7	✓			601	600	600	602	604	604	602	612	628	656	682	697	703	693	678	653	622	606	603	600	599	597	594	593	626	0	12 35	708	22 09	591	117
8	✓	✓		598	600	600	601	603	603	593	585	596	628	664	685	687	672	649	633	617	610	608	605	605	605	603	603	619	0	12 30	690	7 20	581	109
9	✓	✓		604	604	605	604	605	608	610	613	631	659	687	704	709	686	655	633	619	611	609	609	608	606	605	605	629	0	12 48	713	0 03	603	110
10			✓	606	613	619	623	629	634	637	646	646	669	702	734	678	629	633	604	570	560	538	534	545	553	575	568	614	1	11 19	746	20 03	526	220
11				576	579	587	592	595	595	593	599	613	631	648	664	673	665	665	637	608	593	581	570	562	572	571	562	605	1	12 24	683	20 33	554	129
12			✓	569	580	580	580	585	589	603	615	631	652	645	664	661	648	637	625	597	580	587	595	590	585	577	577	606	1	11 18	667	0 08	562	105
13				582	575	582	591	601	608	614	621	645	671	697	695	683	659	653	639	619	605	596	591	595	592	585	582	620	1	10 58	705	1 20	573	132
14				584	596	593	592	594	597	607	621	641	668	685	691	686	668	645	626	609	598	596	596	596	596	596	597	620	0	11 53	693	0 03	583	110
15				597	597	597	603	604	605	614	630	646	684	707	720	705	675	651	613	600	594	585	593	594	588	596	598	625	0	11 47	727	18 40	581	146
16				594	609	603	600	597	598	591	604	630	647	684	708	704	670	633	613	598	590	586	587	588	592	593	593	617	1	11 48	719	6 52	575	144
17	✓			595	594	595	599	599	599	606	618	637	669	701	706	695	673	653	634	615	604	602	600	600	600	597	599	625	0	11 20	714	0 37	591	123
18				600	602	602	606	607	612	624	640	659	677	691	705	709	684	653	616	580	567	561	556	559	577	591	593	620	0	12 34	714	19 07	554	160
19				590	593	596	598	599	603	607	615	632	656	681	701	693	680	651	616	597	590	595	587	577	573	604	600	618	1	11 19	706	20 56	570	136
20			✓	575	570	579	563	556	567	575	598	625	641	653	660	649	641	625	611	591	571	566	567	573	579	580	581	596	0	11 50	670	4 25	553	117
21				584	586	590	591	595	599	604	602	620	648	673	694	691	664	634	604	585	570	570	565	568	587	584	576	608	0	12 04	710	17 46	561	149
22				583	593	584	588	590	592	592	591	600	607	641	655	672	669	641	606	594	591	591	590	589	587	588	590	605	0	12 24	675	0 00	575	100
23	✓			591	591	594	594	593	594	592	593	616	643	675	686	685	665	632	601	587	584	587	592	591	591	590	591	611	0	11 53	692	17 30	582	110
24	✓	✓		592	597	598	600	601	602	602	601	613	636	651	662	664	654	640	625	610	601	597	594	593	593	598	599	613	0	11 53	667	21 06	591	76
25	✓	✓		604	607	610	613	615	615	610	610	621	643	653	679	700	703	685	651	628	615	609	603	599	597	599	599	628	0	13 07	707	21 02	595	112
26				605	604	604	610	610	612	612	615	619	622	649	683	696	679	653	630	617	604	602	603	606	606	607	608	623	0	12 18	701	18 03	599	102
27				608	608	613	607	601	600	604	608	632	648	665	686	679	681	653	640	622	606	601	600	601	597	596	599	623	0	11 54	691	21 44	595	96
28				603	606	607	609	613	617	629	643	648	657	671	682	687	681	664	647	629	616	613	609	610	610	610	606	632	0	12 17	691	0 06	597	94
29				608	603	601	605	606	609	622	642	660	683	694	696	691	680	653	634	622	613	612	612	610	609	606	606	632	0	9 54	705	2 15	599	106
30				609	607	608	602	600	606	611	619	643	643	649	655	658	646	620	607	607	601	600	601	602	602	601	599	616	0	12 10	671	4 00	593	78
31				599	597	600	601	604	607	627	654	681	703	708	Δ					Δ	600	597	599	598	593	597	592		0	9 58	711	24 00	589	122
MEANS ALL DAYS[a]				592	594	596	597	598	601	605	614	635	656	677	690	685	666	646	622	605	594	588	587	587	588	591	591	617						128[a]
MEANS TEN DAYS ✲				595	596	597	598	600	600	600	606	626	656	682	695	694	676	652	628	610	602	600	599	598	597	597	598	621						114
MEANS FIVE DAYS (G. M. T.) †				598	600	601	602	604	605	604	606	622	650	674	690	694	682	659	636	618	608	599 605	597 603	596	596	596	596	622						
MEANS FIVE DAYS (G. M. T.) ‡				580	585	589	588	590	599	605	623	649	660	672	681	659	635	630	612	592	574	553	572	570	571	583	583	606						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

[a] Thirty days only, omitting incomplete day May 31

TABLE 519

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1935 — JUNE 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		591	597	598	600	601	605	616	631	644	661	668	667	661	657	639	(621	610)	602	600	600	601	602	601	598	620	0	11 09	676	0 04	587	89
2	✓	✓		599	600	602	607	607	609	618	634	645	654	660	661	659	648	639	624	616	607	606	606	606	605	603	601	622	0	11 3	664	0 00	596	68
3	✓			603	602	606	609	607	609	617	628	643	658	671	686	701	691	664	633	614	610	609	608	612	608	603	602	629	0	12 26	706	24 00	596	110
4				590	594	599	605	609	609	621	630	641	646	658	656	642	653	637	627	616	618	616	617	620	615	614	610	623	1	10 46	695	0 30	583	112
5				613	621	621	609	608	606	606	609	622	631	672	680	688	694	680	649	626	(614	611)	609	608	602	598	599	628	1	11 58	727	23 40	596	131
6				602	609	612	615	616	620	619	626	631	644	666	679	692	687	673	637	622	607	605	608	605	608	615	614	630	0	13 02	696	0 01	597	99
7			✓	608	606	608	619	620	619	628	674	681	699	701	699	652	614	575	540	511	486	494	486	472	497	527	543	590	1	10 36	732	20 53	466	266
8			✓	549	554	567	565	586	583	575	589	599	636	643	653	644	656	623	607	588	581	571	562	570	579	584	585	594	1	13 06	688	0 40	539	149
9			✓	598	617	621	604	601	577	574	589	586	631	649	604	646	596	565	571	560	557	581	568	563	567	570	583	591	1	10 41	686	8 50	538	148
10			✓	572	578	590	595	600	603	600	607	603	614	592	599	594	600	595	592	588	586	581	578	582	578	566	569	590	1	9 05	628	22 44	560	68
11				572	575	575	575	576	577	585	595	626	635	638	670	678	633	621	602	590	581	578	576	578	578	580	582	599	1	11 56	759	9 18	543	216
12				585	585	587	587	589	591	606	618	624	638	645	652	625	624	609	589	583	580	580	573	575	583	589	587	600	0	11 44	659	18 14	571	88
13				585	588	590	592	593	597	604	611	623	636	653	661	665	647	632	615	599	582	574	594	578	579	587	587	607	0	11 56	674	18 50	572	102
14				590	590	588	592	591	591	599	608	624	635	654	661	656	650	639	624	604	591	588	587	587	587	589	590	609	0	11 27	664	19 57	585	79
15	✓	✓		591	592	592	594	595	598	606	614	624	642	659	660	653	642	626	615	606	597	591	589	591	593	594	595	611	0	11 54	663	19 30	588	75
16	✓	✓		592	593	594	595	596	598	609	627	641	650	658	657	650	643	638	624	614	607	606	609	606	602	600	600	617	0	10 33	662	0 42	590	72
17				604	605	606	607	611	611	627	648	679	703	709	686	675	653	625	606	586	578	589	584	582	566	558	589	620	0	10 54	718	22 54	550	168
18			✓	581	576	594	592	576	595	600	616	617	626	634	611	593	568	544	518	504	485	487	496	516	545	556	574	567	1	10 50	643	18 00	478	165
19				574	577	584	590	594	593	597	620	617	641	655	670	646	609	589	579	581	577	574	563	553	556	581	592	596	1	11 47	677	21 06	548	129
20				574	571	574	584	581	583	596	610	623	634	644	642	645	618	602	592	588	585	568	578	575	581	585	587	597	1	10 50	652	18 38	561	91
21				588	587	590	593	597	601	614	625	645	643	651	635	617	589	579	581	583	586	586	587	586	585	583	582	601	0	10 38	660	14 35	575	85
22	✓			587	586	588	592	591	594	610	629	642	654	666	667	660	651	638	618	601	594	601	602	601	597	595	599	615	0	11 06	672	0 00	584	88
23	✓			598	597	597	596	599	602	614	631	646	661	680	674	663	641	625	610	602	602	603	601	600	599	606	603	619	0	10 35	693	3 20	594	99
24	✓			602	603	603	605	609	613	619	629	637	658	675	681	667	648	634	621	611	606	604	604	602	604	603	605	623	0	10 47	690	0 43	599	91
25	✓	✓		605	605	607	608	608	610	620	641	661	672	680	686	678	660	639	618	604	600	598	596	600	603	605	605	625	0	11 52	689	20 01	594	95
26	✓			604	604	602	606	610	608	616	635	661	682	690	699	695	670	649	622	613	613	613	605	589	582	591	593	627	0	11 52	709	21 07	580	129
27				594	600	603	606	604	605	616	632	646	657	685	694	676	663	643	617	610	611	612	609	608	606	604	604	625	0	11 12	711	0 14	592	119
28				604	608	615	614	614	612	613	627	633	651	665	681	688	682	638	600	584	578	573	580	578	575	574	582	615	0	13 27	694	18 30	570	124
29				587	590	600	605	606	605	618	644	663	684	699	712	693	661	624	609	597	600	597	600	594	585	597	593	623	0	11 23	724	21 23	580	144
30				600	594	595	602	604	609	617	631	638	648	668	674	683	667	645	615	599	594	599	600	599	598	595	596	620	0	12 47	692	17 30	592	100
31																																		
MEANS ALL DAYS				591	593	597	599	600	601	609	624	636	651	663	665	560	644	624	606	594	587	586	586	585	586	588	592	611						117
MEANS TEN DAYS ✲				597	598	599	601	602	605	614	630	644	659	671	674	669	655	639	621	609	604	603	602	601	600	600	600	621						92
MEANS FIVE DAYS † (G. M. T.)				596	597	599	601	601	604	614	629	643	656	665	666	660	650	636	620	610	603	596 600	596 600	596	596	597	596	618						
MEANS FIVE DAYS ‡ (G. M. T.)				582	586	596	595	597	595	595	615	617	641	644	633	626	607	580	566	550	539	543	562	558	563	571	583	589						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 520

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JULY 1935 — JULY 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				596	598	600	604	605	606	611	626	649	675	697	702	699	680	658	630	616	608	601	591	586	584	596	607	626	0	11 10	707	21 20	583	124
2				593	596	601	603	603	607	620	641	648	651	663	662	651	648	649	631	611	601	599	593	598	599	600	600	620	0	11 01	675	0 32	585	90
3	✓			602	604	604	605	607	609	620	640	650	646	635	633	620	627	632	625	613	606	605	603	600	600	601	602	616	0	9 05	656	20 52	597	59
4	✓			603	606	603	603	607	610	619	635	639	644	652	647	641	630	626	619	606	602	600	600	600	601	601	603	617	0	10 30	660	18 18	598	62
5	✓	✓		604	604	604	605	606	607	617	631	645	663	664	659	652	641	633	629	619	607	603	603	603	602	602	603	621	0	9 40	670	22 16	600	70
6	✓	✓		604	605	605	607	607	608	613	625	646	677	704	717	715	704	683	656	626	615	614	613	611	611	609	607	637	0	12 03	719	0 14	603	116
7				606	606	606	608	608	609	614	630	645	663	688	692	687	671	649	628	626	596	599	608	612	612	617	618	629	1	11 47	709	17 20	592	117
8			✓	614	584	567	558	559	556	541	526	538	594	624	636	644	622	603	586	579	583	582	592	601	593	591	591	586	1	12 12	656	7 28	502	154
9			✓	586	588	590	594	596	597	596	605	607	609	615	638	639	630	619	603	593	582	564	563	569	575	579	583	597	1	11 57	648	18 30	560	88
10	✓			584	590	590	588	593	597	603	617	632	652	670	682	677	661	637	613	603	598	590	593	594	592	592	595	614	0	12 09	686	0 28	583	103
11				598	600	599	606	612	603	601	602	613	640	638	645	659	659	653	630	613	605	604	601	600	600	592	591	615	0	12 06	665	23 53	585	80
12				591	593	599	599	603	604	611	626	645	664	686	691	685	664	636	608	597	598	598	596	596	594	594	598	620	0	10 57	695	0 02	584	111
13	✓			596	598	601	601	604	605	602	604	619	646	668	678	676	662	640	614	605	605	601	596	598	599	596	601	617	0	12 09	684	1 14	592	92
14				602	603	602	608	607	606	612	627	650	684	707	715	703	681	647	634	618	607	593	594	596	595	598	598	629	1	10 39	763	18 43	590	173
15				599	604	604	610	609	608	611	627	635	663	686	683	654	638	625	615	603	596	592	589	593	591	589	591	617	0	10 46	699	19 37	587	112
16				592	591	590	597	599	601	608	623	648	679	699	698	679	647	614	597	595	601	599	599	599	597	595	597	618	0	11 35	711	1 03	588	123
17	✓	✓		600	603	604	604	605	605	615	640	663	679	698	708	687	660	631	610	597	602	600	595	592	597	600	602	625	0	11 40	710	20 44	590	120
18	✓	✓		602	604	606	608	608	610	620	637	665	709	721	717	690	651	623	608	597	604	610	610	613	595	575	571	627	0	10 32	725	22 23	566	159
19				581	579	582	585	584	583	595	623	664	706	721	702	676	639	611	578	569	576	579	576	578	584	586	590	610	0	10 37	728	16 22	566	162
20	✓			591	592	593	595	597	609	616	639	681	724	742	749	716	679	634	604	597	608	610	606	607	608	609	610	634	0	11 22	759	0 07	590	169
21				613	604	609	611	610	608	619	641	667	708	750	750	716	680	639	615	603	601	597	597	607	605	605	601	636	0	10 48	758	18 54	592	166
22			✓	590	593	590	603	588	592	600	621	650	701	723	734	683	624	604	592	594	575	554	560	574	581	574	590	612	1	11 17	743	18 53	542	201
23				586	587	588	590	594	593	603	619	633	656	676	696	715	700	661	625	599	590	588	585	589	588	592	600	619	1	11 52	723	19 51	581	142
24			✓	599	601	597	606	608	602	592	583	611	634	682	691	690	653	608	598	589	569	582	573	572	581	570	555	606	1	12 29	705	23 38	553	152
25			✓	580	561	590	574	564	579	567	546	547	576	617	629	667	637	608	582	572	564	563	571	558	565	571	568	582	1	12 28	684	7 03	534	150
26				571	574	575	578	580	583	588	596	602	614	635	647	646	626	618	609	595	595	594	594	583	585	578	594	598	0	11 48	657	0 10	569	88
27	✓			579	582	580	584	586	590	601	605	626	645	665	669	666	650	629	606	582	575	579	583	586	586	586	583	605	0	11 35	676	17 21	573	103
28				586	581	588	593	600	597	610	625	647	668	683	688	684	664	624	600	592	594	593	592	595	595	590	596	616	0	11 38	693	1 24	579	114
29				600	592	584	582	588	589	600	622	638	650	664	662	650	629	614	595	590	585	584	579	577	576	576	580	604	0	11 01	680	22 30	575	105
30		✓		590	590	590	591	590	592	593	598	615	646	671	676	679	654	622	602	598	599	599	595	593	593	596	599	611	0	12 16	686	0 00	585	101
31				601	603	604	605	604	601	609	616	633	651	(677)	686	685	678	640	619	614	621	603	579	567	571	582	585	618	1	12 54	698	21 05	566	132
MEANS ALL DAYS				595	594	595	597	598	599	604	616	634	659	678	683	675	654	631	612	600	596	593	591	592	592	592	594	616						121
MEANS TEN DAYS ✻				596	599	599	600	602	605	613	627	647	668	682	686	674	656	637	618	604	602	601	600	600	599	597	598	621						105
MEANS FIVE DAYS † (G. M. T.)				600	601	602	603	603	604	612	626	647	675	692	695	685	662	638	621	607	605	597 605	595 603	594	595	595	597	623						
MEANS FIVE DAYS ‡ (G. M. T.)				594	585	587	587	583	585	579	576	591	623	652	666	665	633	608	592	585	575	569	591	596	596	595	593	600						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 521

HORIZONTAL INTENSITY

AUGUST 1935

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				589	595	602	601	599	597	595	611	631	656	693	720	700	651	623	596	583	595	606	604	602	597	593	594	618	0	11 46	736	16 44	581	155
2				593	592	594	594	597	598	601	607	628	652	684	699	697	672	644	622	604	595	595	594	593	593	595	595	618	0	11 46	705	21 09	591	114
3	✓	✓		597	597	597	598	600	602	607	613	625	644	670	681	679	661	642	618	605	605	605	604	603	601	601	600	619	0	12 10	686	0 01	596	90
4	✓			604	603	600	603	610	612	615	627	645	672	706	738	738	715	688	645	616	609	607	605	604	602	604	605	636	0	12 01	748	2 21	597	151
5				606	602	602	605	613	619	622	628	642	668	704	704	692	677	640	624	625	614	605	595	606	603	599	602	629	0	10 42	716	19 29	590	126
6				600	599	604	609	613	611	611	620	628	650	656	674	678	659	634	615	601	601	588	597	593	602	595	594	618	0	12 07	685	18 40	583	102
7				596	599	599	595	600	600	600	606	621	649	682	691	699	674	645	619	602	600	600	600	602	599	597	597	620	0	12 05	708	0 12	593	115
8	✓			599	599	595	597	600	604	612	636	651	667	692	700	683	647	619	607	606	602	607	605	602	604	599	600	622	0	11 26	706	2 25	594	112
9				590	590	605	604	606	607	621	640	663	687	712	716	702	657	613	595	600	606	600	598	600	593	600	597	625	0	11 34	719	0 50	587	132
10				598	599	600	602	604	607	614	621	632	652	680	700	698	671	648	631	616	601	596	600	599	600	601	601	624	0	11 54	715	18 00	594	121
11	✓			601	601	602	602	602	605	618	635	646	656	661	650	637	624	626	620	616	613	608	606	604	604	604	606	619	0	10 52	672	0 15	600	72
12	✓	✓		604	605	605	607	606	608	613	626	651	674	686	682	666	(649	634)	621	611	604	600	599	597	598	601	602	623	0	10 59	692	20 39	596	96
13	✓			602	603	604	605	606	608	605	616	633	661	673	677	668	655	640	622	602	594	591	595	596	597	598	599	619	0	11 03	681	18 29	588	93
14	✓	✓		598	597	600	601	605	609	622	640	659	677	697	699	679	651	629	616	613	611	606	605	602	600	598	599	626	0	11 04	703	1 38	597	106
15	✓			600	600	602	607	608	606	616	632	657	695	698	709	713	700	665	634	611	597	600	599	599	604	600	602	631	0	11 05	729	17 34	595	134
16				599	599	597	596	598	602	614	634	661	697	721	723	713	668	624	581	579	592	597	598	600	595	589	589	624	0	10 52	731	15 43	568	163
17	✓	✓		595	596	599	600	602	605	614	626	652	685	720	746	753	733	689	642	610	600	603	604	604	604	605	604	637	0	12 24	759	0 00	592	167
18	✓	✓		604	600	606	606	609	613	622	643	673	707	751	775	771	728	673	631	608	602	606	610	609	609	606	607	645	0	11 34	780	1 34	597	183
19			✓	614	619	616	610	618	616	610	613	622	634	671	720	744	732	693	648	602	577	577	568	561	562	564	574	624	1	12 16	753	20 05	558	195
20			✓	579	585	584	586	582	592	606	630	652	686	723	720	708	679	633	598	581	577	576	573	557	565	570	575	613	1	10 50	737	20 20	555	182
21			✓	577	574	574	569	574	582	578	582	588	609	649	652	675	662	632	610	604	590	581	578	579	586	586	585	599	1	13 10	686	3 34	567	119
22				588	589	590	592	599	603	605	613	633	658	682	682	672	658	644	620	601	595	583	588	590	573	581	597	614	0	10 53	692	21 30	569	123
23				589	586	588	599	602	595	594	596	618	639	663	668	674	669	636	604	592	584	584	581	575	578	583	585	608	0	13 00	681	20 18	574	107
24				586	586	588	589	590	595	605	620	635	651	668	685	678	660	625	610	594	597	600	590	585	567	558	552	609	0	11 13	698	23 03	550	148
25				562	566	581	574	583	591	608	634	660	668	672	673	664	648	636	627	616	606	604	600	599	597	596	592	615	0	11 36	676	0 00	557	119
26				591	594	595	598	603	606	611	622	647	683	692	704	695	667	651	638	619	605	604	599	596	598	601	601	626	0	11 32	711	0 01	587	124
27			✓	600	601	602	604	607	608	624	629	637	645	650	667	701	735	672	687	656	619	604	593	601	600	596	604	631	1	13 46	761	19 37	590	171
28			✓	612	604	602	605	612	611	629	643	655	674	680	694	669	648	643	636	617	600	595	592	589	587	591	596	624	1	10 59	721	21 44	586	135
29				599	599	601	605	607	611	632	657	680	711	725	718	702	679	657	633	615	604	600	592	594	594	592	586	633	0	10 39	732	23 59	580	152
30				585	588	586	597	599	601	610	638	676	715	726	724	711	683	663	640	619	608	609	609	601	599	588	584	632	0	11 01	744	24 00	578	166
31				577	579	592	595	597	598	608	628	657	687	705	704	691	678	654	630	610	600	592	600	590	591	596	583	623	0	11 11	723	23 22	574	149
MEANS ALL DAYS				595	595	597	599	602	604	611	625	644	668	690	700	695	674	646	623	608	600	598	596	595	594	593	594	623						133
MEANS TEN DAYS ✲				600	600	601	603	605	607	614	629	649	674	695	706	699	676	650	626	610	604	603	603	602	602	602	602	628						120
MEANS FIVE DAYS † (G. M. T.)				600	599	601	602	604	607	616	630	652	677	705	717	710	684	653	626	609	604	599 604	599 604	599	599	598	599	629						
MEANS FIVE DAYS ‡ (G. M. T.)				596	597	596	595	599	602	609	619	631	650	675	691	699	691	655	636	612	593	587	589	585	587	587	592	620						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⌀ = NO RECORD

TABLE 522

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1935 — SEPTEMBER 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			592	600	602	608	612	614	623	640	661	682	694	699	694	680	663	647	633	617	611	607	605	603	605	605	633	0	11 35	704	0 00	585	119
2	✓	✓		605	607	611	612	613	615	631	659	692	707	720	712	695	672	656	641	626	612	609	608	606	605	606	601	638	0	10 04	731	23 58	593	138
3	✓			596	600	598	600	605	614	623	638	660	678	678	685	680	674	664	649	628	615	610	605	600	602	601	602	629	0	11 34	691	0 00	594	97
4				603	605	608	614	617	620	627	651	684	725	749	747	722	677	641	628	605	581	591	606	601	592	590	579	636	0	10 39	770	17 46	574	196
5	✓			584	587	591	593	598	601	611	636	679	714	735	731	698	663	642	621	604	591	591	587	589	591	591	594	626	0	10 47	746	0 00	581	165
6	✓			596	599	600	607	605	602	619	652	688	723	736	743	715	689	653	625	609	602	604	610	610	599	596	587	636	0	11 15	749	23 45	584	165
7				588	597	605	607	609	611	622	649	679	694	717	703	695	675	649	623	609	601	596	591	594	594	594	595	629	1	9 29	737	0 14	584	153
8	✓	✓		601	601	596	599	601	606	614	633	657	686	702	705	702	691	679	653	630	615	610	606	596	597	600	596	632	0	12 02	714	23 34	589	125
9				593	587	591	593	598	600	596	606	628	660	693	707	703	683	654	624	598	584	595	595	589	594	596	594	619	0	11 46	712	17 02	575	137
10				593	596	599	598	601	596	601	604	627	666	686	710	706	673	617	590	590	571	577	588	584	615	601	589	616	1	12 14	720	17 32	559	161
11			✓	591	595	614	640	618	620	623	663	679	619	689	747	720	643	612	598	587	540	521	559	525	533	538	533	609	2	11 50	806	21 26	497	309
12			✓	540	537	558	554	560	568	585	604	626	647	663	675	676	661	633	603	583	571	567	565	562	563	564	566	593	1	11 54	686	1 07	531	155
13	✓	✓		570	573	573	573	575	574	579	598	632	670	697	701	685	659	635	615	599	585	580	577	574	578	578	580	607	0	11 32	715	0 20	569	146
14	✓			580	583	585	589	589	592	596	615	652	691	717	726	722	701	659	623	595	579	578	587	582	582	582	582	620	0	11 37	732	18 41	576	156
15				583	589	594	597	593	591	589	595	619	643	663	649	631	624	618	599	587	568	554	559	562	564	562	571	596	0	10 13	684	18 34	551	133
16				577	584	588	590	586	592	590	604	638	669	686	690	666	658	626	600	579	554	529	542	566	550	560	569	600	1	10 24	700	18 46	524	176
17				578	570	588	582	579	578	568	578	607	665	652	681	696	656	621	587	573	567	566	568	567	569	563	552	596	1	12 04	715	23 44	549	166
18			✓	557	564	591	593	586	585	558	545	586	599	650	678	678	652	627	606	583	567	569	565	558	554	584	562	592	1	11 30	696	7 53	534	162
19				564	566	568	579	584	580	579	592	627	662	694	707	704	681	634	598	569	543	535	547	559	558	566	564	598	1	11 57	714	18 12	534	180
20	✓			571	574	577	582	585	588	586	598	625	658	683	698	697	687	658	626	606	600	598	591	590	590	588	587	614	0	12 03	704	0 00	565	139
21	✓	✓		587	589	591	591	593	593	597	612	626	650	681	700	686	668	650	626	604	594	592	593	596	596	593	596	617	0	11 32	706	0 02	585	121
22		✓		600	603	602	603	605	605	612	626	645	673	690	710	718	704	678	650	624	602	598	597	598	597	598	603	631	0	11 58	724	21 43	592	132
23			✓	603	611	593	607	597	613	603	602	645	621	687	640	610	565	542	527	514	494	497	495	514	534	539	548	575	1	8 23	750	17 47	492	258
24				562	565	569	572	577	583	584	601	621	658	682	687	660	650	606	604	595	593	584	572	578	532	529	536	596	1	11 47	703	21 26	517	186
25			✓	547	548	543	557	569	560	547	557	589	647	643	666	635	598	590	589	576	558	543	561	556	553	568	549	577	1	11 03	685	3 14	531	154
26				551	546	547	558	563	567	576	602	629	674	697	691	695	685	659	619	590	574	569	567	566	566	570	559	601	1	10 31	712	1 56	538	174
27				556	555	557	572	566	560	544	553	606	652	708	709	688	656	612	591	582	575	569	568	567	570	570	571	594	0	10 49	717	7 07	538	179
28				568	572	569	577	573	568	578	616	648	686	705	717	701	673	652	627	602	584	578	571	558	552	557	558	608	0	11 17	724	21 23	551	173
29				561	563	573	576	574	578	577	603	635	682	706	714	693	669	631	610	582	582	587	585	582	578	574	562	607	0	11 13	729	24 00	558	171
30				555	556	564	569	567	581	579	618	637	685	709	693	663	620	601	593	592	549	567	578	582	580	576	579	600	1	10 18	756	17 42	538	218
31																																		
MEANS ALL DAYS				578	581	585	590	590	592	594	612	641	670	694	701	688	663	635	613	595	579	576	578	577	576	578	576	611						165
MEANS TEN DAYS ✲				588	591	592	595	598	600	608	628	657	686	704	710	697	678	656	633	613	601	598	597	595	594	594	593	625						137
MEANS FIVE DAYS (G. M. T.) †				593	595	595	596	597	599	607	626	650	677	698	706	697	679	660	637	617	602	593 598	589 596	589	589	589	590	624						
MEANS FIVE DAYS (G. M. T.) ‡				568	571	580	590	586	589	583	594	625	627	666	681	664	624	601	585	569	546	539	577	570	569	566	563	593						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 523

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1935

OCTOBER 1935

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				605	580	583	587	578	581	585	612	651	694	719	723	712	686	678	654	611	606	602	597	592	586	582	581	624	0	11 09	729	1 37	569	160
2				581	584	588	592	587	585	578	593	637	686	727	738	734	698	647	637	616	584	581	593	594	587	581	580	621	0	12 26	787	17 48	565	222
3	✓	✓		581	585	589	590	592	593	591	612	656	704	742	746	737	714	683	647	616	602	594	586	588	588	590	590	630	0	10 51	755	0 30	580	175
4	✓			589	593	594	595	599	594	581	587	621	675	700	729	713	709	669	636	613	605	604	594	588	585	587	588	623	0	11 22	748	7 07	575	173
5	✓	✓		588	591	594	594	597	599	597	603	624	662	699	720	728	710	680	646	619	604	600	597	596	596	594	597	626	0	12 02	733	0 04	587	146
6	✓	✓		595	596	598	598	599	598	582	579	605	650	691	718	720	713	687	658	635	619	607	574	583	595	597	597	625	0	12 01	725	19 39	565	160
7				596	598	601	607	605	595	577	539	566	623	673	691	698	684	666	641	604	598	594	591	588	589	588	589	613	1	11 49	706	7 29	527	179
8	✓			591	590	591	592	594	594	594	617	652	682	703	721	710	691	671	647	613	582	586	586	590	588	586	585	623	0	11 38	747	17 47	577	170
9	✓	✓		588	590	590	591	592	590	585	595	616	649	656	665	649	632	622	622	610	598	591	587	588	588	586	580	607	0	11 31	683	6 03	579	104
10				585	587	589	587	592	592	603	633	666	697	698	673	614	604	597	613	606	590	592	588	587	585	587	589	611	0	10 37	703	0 00	583	120
11			✓	592	594	597	601	599	595	602	644	685	709	697	655	643	610	587	580	572	559	550	545	559	565	574	576	604	0	10 03	745	19 23	543	202
12	✓			580	581	583	583	583	581	578	603	647	696	713	698	674	645	629	624	618	608	602	597	588	584	574	578	614	0	10 25	733	22 54	570	163
13	✓	✓		585	588	588	589	594	602	611	638	694	730	730	723	704	670	650	618	615	612	611	608	613	602	591	596	632	0	11 55	742	23 02	580	162
14				588	574	572	583	584	582	586	626	675	710	739	727	706	679	650	605	593	589	592	587	581	568	566	574	618	0	10 45	760	2 12	557	203
15				586	578	582	589	592	590	590	598	654	692	718	744	715	677	633	590	575	581	586	581	586	581	570	588	616	1	11 40	766	23 03	561	205
16				586	577	574	572	578	582	590	628	668	701	691	683	667	644	629	612	601	592	587	578	575	578	586	585	611	0	9 48	717	3 34	571	146
17				576	586	580	576	581	579	574	604	657	719	725	746	671	662	634	602	581	581	580	578	588	578	576	569	613	1	11 02	772	23 44	565	207
18				579	581	586	584	587	585	580	605	656	704	740	747	717	655	616	603	587	583	586	574	578	579	582	584	616	0	11 39	756	0 58	572	184
19	✓			584	581	580	583	590	587	585	617	657	682	706	712	684	671	629	618	598	588	585	579	576	581	583	584	614	0	11 58	727	20 32	574	153
20			✓	583	582	585	590	598	583	575	576	566	595	584	622	674	646	629	563	521	536	548	551	550	550	551	551	580	1	12 48	711	16 23	515	196
21			✓	558	566	563	558	558	572	562	557	597	631	654	678	684	634	604	580	572	533	546	558	560	552	560	550	583	1	11 04	722	17 41	521	201
22				553	562	564	562	566	567	567	576	590	643	657	667	650	641	618	603	598	585	577	576	570	569	570	569	592	1	11 33	690	0 20	548	142
23				568	568	572	574	578	579	588	614	653	696	712	700	670	651	621	611	607	599	588	581	577	572	575	573	609	0	10 00	718	1 06	566	152
24			✓	570	577	612	600	583	554	538	513	509	587	522	538	585	590	574	571	560	551	546	548	544	558	563	558	560	2	10 00	647	10 42	451	196
25				550	551	554	557	559	554	560	590	633	672	703	675	654	631	616	569	555	555	528	545	549	549	563	564	585	0	10 46	721	18 39	521	200
26	✓			560	562	563	563	565	563	563	589	636	671	694	697	689	656	629	607	592	578	574	572	563	564	570	579	600	0	11 18	701	0 27	555	146
27			✓	582	578	598	596	596	587	604	618	662	672	675	667	628	597	566	548	531	532	533	533	530	535	542	544	586	1	11 33	695	16 36	524	171
28				550	557	566	570	568	565	566	582	617	655	678	689	648	582	595	597	587	583	572	569	563	565	563	559	589	1	11 30	705	7 26	548	157
29				563	567	571	566	567	575	582	607	650	682	697	676	648	626	606	602	592	581	572	570	561	557	553	546	597	0	10 50	721	23 29	543	178
30				553	555	551	555	568	566	576	587	578	610	607	590	596	601	613	610	601	584	576	576	574	567	563	561	580	0	10 54	624	0 13	546	78
31				565	567	574	582	582	577	566	563	609	645	676	713	700	688	673	642	615	587	574	582	578	574	565	584	608	1	11 12	740	7 42	528	212
MEANS ALL DAYS				578	578	582	583	584	582	581	597	632	672	688	693	678	655	632	611	594	583	579	577	576	575	575	576	607						170
MEANS TEN DAYS ✱				584	586	587	588	590	590	587	604	641	680	703	713	701	681	655	632	613	600	595	588	587	587	586	587	619						155
MEANS FIVE DAYS † (G. M. T.)				587	590	592	592	595	596	593	605	639	679	704	714	708	688	664	638	619	607	595 601	593 590	591	588	584	586	623						
MEANS FIVE DAYS ‡ (G. M. T.)				577	579	591	589	587	578	576	582	604	639	626	632	643	615	592	568	551	542	545	574	571	570	573	575	587						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 524

HORIZONTAL INTENSITY

NOVEMBER 1935

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				588	581	586	584	592	591	590	598	643	689	695	709	726	687	654	628	600	588	592	574	572	580	583	585	617	0	12	35 739	19	47 563	176
2				591	586	584	588	595	595	582	599	631	675	701	712	690	655	646	600	589	583	567	573	576	561	567	571	609	0	11	49 770	19	14 553	217
3				571	583	580	581	583	583	568	570	595	624	634	641	650	648	639	629	614	581	579	586	585	587	585	585	599	1	11	06 678	7	06 561	117
4	✓	✓		585	584	585	587	589	590	597	611	634	660	671	674	664	652	638	626	616	606	594	591	585	590	593	595	613	0	11	24 681	20	55 581	100
5			✓	592	593	596	594	593	599	601	603	636	656	698	670	661	624	603	609	596	567	570	554	565	570	585	564	604	0	10	23 720	19	15 550	170
6				563	574	583	576	576	576	592	603	636	668	680	670	648	629	614	609	606	598	594	585	585	587	585	583	605	0	10	33 684	1	20 558	126
7	✓			584	583	585	586	589	590	593	611	644	675	686	678	657	645	617	597	588	588	583	584	588	584	579	576	608	0	10	04 690	23	36 575	115
8	✓			580	578	582	584	587	593	607	631	647	667	662	640	612	618	618	612	612	602	596	592	593	592	592	594	608	0	10	02 689	1	54 576	113
9				593	593	595	594	591	594	610	638	682	711	721	701	674	645	631	625	604	588	585	588	589	587	585	585	621	0	10	19 726	18	03 583	143
10	✓	✓		592	592	592	592	592	596	613	642	673	699	704	692	682	636	611	605	611	609	609	605	605	602	604	605	623	0	10	01 712	0	00 586	126
11				609	606	610	617	612	617	624	652	708	741	759	753	672	666	587	571	574	583	585	582	580	586	581	572	627	0	11	18 792	14	47 554	238
12			✓	565	567	578	586	583	587	614	644	693	776	742	673	589	589	588	583	580	560	524	516	543	557	557	557	598	1	9	55 813	19	08 504	309
13			✓	567	564	563	565	564	559	563	597	620	703	708	726	682	653	626	603	581	559	566	567	572	571	582	581	602	1	11	04 751	5	59 547	204
14			✓	574	577	585	577	575	565	574	604	648	679	722	719	694	664	620	583	565	570	564	567	567	565	564	565	604	0	10	42 742	18	03 558	184
15	✓			567	572	571	573	575	574	571	589	632	670	692	694	679	660	634	610	595	588	585	583	581	581	580	579	606	0	11	04 700	0	14 563	137
16	✓			578	577	577	575	578	578	580	612	662	674	684	665	647	628	608	594	588	578	570	570	572	574	576	575	601	0	10	54 688	18	34 568	120
17	✓	✓		576	575	573	575	578	583	578	592	622	661	685	686	682	648	628	624	616	602	598	593	590	585	577	575	608	0	11	58 701	2	18 572	129
18				581	582	581	581	583	580	585	615	652	696	729	714	696	679	654	650	645	612	585	586	581	574	568	573	620	0	10	47 768	22	20 566	202
19				577	575	575	576	580	576	578	594	609	659	700	722	706	692	666	639	601	584	586	588	590	585	581	579	613	0	12	00 740	6	53 566	174
20				580	584	581	579	583	588	594	609	635	636	675	700	685	686	653	635	604	588	590	588	585	581	579	582	612	0	11	30 725	3	23 574	151
21				582	576	574	575	575	586	596	617	647	679	680	678	668	648	623	607	602	597	591	589	587	585	586	586	610	0	10	53 701	2	32 573	128
22				585	584	583	584	587	588	591	604	630	659	652	660	658	644	612	605	601	593	590	593	591	590	588	585	607	0	12	02 671	2	48 582	89
23	✓			578	578	579	579	582	589	607	635	667	696	702	687	659	619	601	588	590	595	601	604	602	596	596	590	613	0	10	22 709	1	13 576	133
24				592	584	590	597	600	606	626	651	677	695	705	699	687	653	626	616	611	599	595	597	597	598	597	597	625	0	9	59 715	1	47 579	136
25	✓	✓		595	592	593	596	596	605	625	664	696	721	722	708	681	639	610	599	602	597	593	588	588	588	588	587	624	0	9	53 734	24	00 586	148
26	✓	✓		585	586	588	591	593	599	609	631	669	698	713	709	691	664	648	618	597	596	598	599	597	597	591	590	623	0	10	51 719	0	29 584	135
27			✓	590	591	593	598	604	613	624	650	682	739	765	772	678	658	531	527	564	581	585	583	581	576	576	582	618	1	11	09 812	14	34 478	334
28				577	574	583	579	580	587	599	635	670	708	709	694	655	608	579	579	594	604	602	602	599	601	608	623	615	0	10	24 719	1	11 570	149
29				613	605	604	604	604	615	626	653	694	724	719	700	678	628	601	571	553	577	601	606	605	595	602	600	624	0	10	24 744	16	06 542	202
30				601	606	596	585	578	578	583	611	649	703	736	736	697	651	591	560	548	566	577	583	580	574	564	568	609	1	10	28 759	16	23 535	224
31																																		
MEANS ALL DAYS				584	583	585	585	587	589	597	619	653	688	702	696	672	647	619	603	595	588	585	584	584	583	583	583	612						164
MEANS TEN DAYS ✲				582	582	582	584	586	590	598	622	655	682	692	683	665	641	621	607	602	596	593	591	590	589	588	587	613						126
MEANS FIVE DAYS (G. M. T.) †				587	586	586	588	590	595	604	628	659	688	699	694	680	648	627	614	608	602	584 598	586 595	586	587	586	586	617						
MEANS FIVE DAYS (G. M. T.) ‡				578	578	583	584	584	585	595	620	656	711	727	712	661	638	594	581	577	567	562	571	575	580	581	579	607						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 525

HORIZONTAL INTENSITY

29000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1935 — DECEMBER 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	574	572	575	568	574	581	601	642	680	721	768	756	714	629	601	587	562	561	567	576	579	589	577	573	614	0	10 37	807	17 17	552	255
2				577	578	580	583	583	590	603	603	620	675	711	728	699	666	620	586	575	565	550	556	572	570	567	570	605	1	11 30	754	18 58	540	214
3				573	574	576	576	578	584	591	608	631	685	716	711	678	646	598	575	573	575	572	572	572	576	577	577	604	0	10 56	744	0 37	569	175
4	✓	✓		580	584	586	586	587	590	595	604	638	686	729	739	730	684	649	615	592	582	583	584	585	587	585	585	619	0	11 19	759	0 05	578	181
5	✓	✓		587	589	588	587	589	594	606	624	651	684	706	720	693	663	633	608	588	589	592	593	595	592	589	590	619	0	11 39	750	16 27	584	166
6	✓	✓		590	589	582	575	582	593	607	623	642	671	683	691	672	654	638	612	612	600	587	586	587	586	587	588	614	0	10 56	705	3 20	572	133
7	✓			586	581	579	583	588	599	606	622	636	639	655	651	631	629	645	631	619	602	592	588	592	584	587	588	609	0	11 06	674	2 24	578	96
8				585	581	585	589	601	616	632	649	666	679	691	681	613	572	571	590	611	609	599	595	592	596	597	594	612	0	10 14	705	13 56	552	153
9				596	596	597	596	594	603	620	643	662	675	648	632	591	568	569	575	590	594	576	583	584	590	588	585	602	0	9 44	708	13 04	559	149
10				589	591	597	596	598	607	623	654	695	723	753	717	679	621	577	570	585	602	601	596	592	588	588	592	622	0	10 45	761	14 55	565	196
11				592	593	589	592	593	592	602	635	665	682	683	679	654	622	601	607	595	585	592	589	582	579	583	582	611	0	10 50	696	21 26	578	118
12				581	585	596	603	601	596	602	620	673	722	738	728	714	689	595	589	594	570	581	580	585	597	599	594	622	0	10 34	756	17 24	563	193
13				584	591	587	578	576	576	603	599	636	698	730	742	700	641	601	583	584	589	587	588	587	587	585	585	613	1	11 23	757	7 42	558	199
14			✓	585	587	587	583	580	583	582	591	647	725	773	751	744	676	573	561	581	554	576	569	551	562	554	563	610	1	11 16	833	22 42	535	298
15				561	572	572	574	570	565	567	598	639	705	717	721	698	645	599	570	571	580	585	575	577	580	576	578	604	0	9 51	744	6 35	555	189
16				577	578	581	581	578	565	572	593	640	678	679	702	698	658	629	600	579	570	573	569	569	570	566	576	603	0	11 38	724	5 55	556	168
17				576	574	572	573	574	576	574	586	619	659	699	715	683	654	614	598	591	586	580	584	585	585	581	584	605	0	11 27	729	6 56	568	161
18	✓			585	580	579	577	580	571	570	581	615	655	670	667	674	659	640	627	606	588	565	567	574	576	578	578	603	0	12 38	699	18 37	561	138
19	✓			580	582	582	584	583	581	585	597	609	643	643	668	671	647	634	607	590	583	583	588	585	585	587	589	604	0	11 50	685	7 17	578	107
20	✓			589	586	585	585	587	588	588	604	616	669	676	683	683	651	616	597	576	574	585	594	592	590	589	590	608	0	12 00	693	16 54	569	124
21	✓			589	588	587	585	596	604	609	617	635	660	675	676	680	663	649	633	616	603	597	594	596	595	596	594	618	0	10 12	697	3 12	582	115
22	✓	✓		595	595	592	589	593	599	608	617	630	652	661	672	661	630	610	594	591	589	592	592	592	593	593	592	610	0	11 42	685	3 43	587	98
23	✓	✓		591	593	593	591	593	601	587	616	639	666	664	647	625	601	613	623	612	601	603	603	602	603	602	605	611	0	10 29	672	3 17	590	82
24				596	595	595	600	600	612	631	652	677	686	682	670	651	626	616	621	637	625	590	573	583	596	600	599	621	0	9 09	700	19 28	566	134
25				599	606	618	601	596	611	619	623	653	694	722	727	702	648	607	576	570	576	575	570	555	558	564	559	614	0	11 47	740	20 53	550	190
26			✓	560	574	579	586	589	591	608	654	687	695	691	589	591	579	597	594	570	571	542	535	548	565	557	561	592	1	9 54	742	19 20	528	214
27			✓	568	565	564	572	569	572	594	625	670	708	747	734	682	617	582	572	575	567	554	552	558	564	556	554	601	0	10 33	753	18 52	545	208
28			✓	563	564	572	574	583	582	596	601	648	707	745	733	691	602	551	535	547	553	567	561	567	571	(570	571)	598	1	11 01	756	15 34	511	245
29				576	578	578	576	576	582	601	639	703	754	780	746	684	634	569	562	575	567	578	583	575	575	576	580	614	0	10 54	794	14 35	552	242
30				580	578	581	581	578	575	584	608	666	737	774	773	722	627	554	532	550	572	579	583	581	582	583	585	611	0	11 04	787	15 16	529	258
31				586	585	582	580	574	571	583	621	690	766	811	829	780	691	611	582	565	573	578	580	575	576	576	580	627	0	11 55	849	16 34	554	295
MEANS ALL DAYS				582	583	584	584	585	589	598	618	651	690	710	706	680	638	605	591	587	582	580	579	580	582	581	582	610						177
MEANS TEN DAYS ✻				587	587	585	584	588	592	596	610	631	662	676	681	672	648	633	615	600	591	588	589	590	589	589	590	611						124
MEANS FIVE DAYS † (G. M. T.)				589	590	588	586	589	595	601	617	640	672	689	694	676	646	629	610	599	592	587 591	587 592	588	589	588	588	614						
MEANS FIVE DAYS ‡ (G. M. T.)				570	572	575	577	579	582	596	623	666	711	745	713	684	621	581	570	567	561	561	566	566	570	565	565	604						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 526

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JANUARY 1935 — JANUARY 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				119	118	118	122	121	121	120	118	121	119	117	116	113	112	113	112	117	121	121	121	121	121	118	118	118	0	5 34	124	12 16	111	13
2				118	118	119	120	121	123	122	123	124	121	126	133	120	119	123	117	111	113	119	121	121	119	120	120	120	1	11 33	136	16 40	109	27
3				120	121	121	121	122	121	119	113	110	111	112	113	110	105	111	110	111	118	118	117	119	121	121	121	116	1	4 30	124	13 10	103	21
4				121	122	120	122	122	122	122	126	125	121	120	122	119	135	146	141	130	121	123	122	121	122	120	120	124	0	14 20	148	10 20	117	31
5	✓			121	120	121	122	123	122	121	127	127	118	116	115	112	118	120	121	119	120	122	122	121	121	121	122	120	0	7 43	129	12 32	109	20
6	✓	✓		123	122	123	123	124	123	121	124	123	118	119	116	113	117	124	122	126	125	123	123	122	122	122	122	122	0	16 50	128	12 32	111	17
7	✓	✓		122	122	122	122	123	120	122	131	136	128	128	133	129	141	134	121	121	124	126	124	123	122	119	119	126	0	13 33	145	6 00	118	27
8	✓	✓		119	119	120	121	122	122	114	109	109	115	125	132	136	138	140	142	135	133	128	124	123	123	122	121	125	0	15 05	148	8 28	106	42
9	✓	✓		122	122	122	123	123	122	121	123	122	122	123	120	115	111	112	110	112	119	121	123	122	122	122	122	120	0	7 23	125	13 20	108	17
10	✓	✓		121	120	121	122	123	121	120	118	120	128	129	126	121	126	133	129	126	122	123	120	118	120	122	121	123	0	14 30	136	7 50	115	21
11				121	121	121	122	123	122	124	134	140	143	142	133	123	117	112	103	101	111	114	119	121	122	122	122	122	0	9 05	146	16 05	98	48
12	✓			122	121	121	122	123	122	123	128	130	125	124	117	114	121	135	125	117	116	117	122	123	122	123	121	122	0	14 37	137	12 14	112	25
13	✓			121	121	123	122	123	122	120	119	118	121	118	115	117	122	116	112	110	112	118	122	122	123	122	122	119	0	4 50	125	16 14	108	17
14	✓			122	122	122	122	122	122	120	123	123	125	134	133	130	116	119	124	118	118	119	120	123	123	122	120	123	0	10 36	135	13 45	110	25
15				119	118	119	120	121	122	121	121	122	124	125	119	116	106	104	104	107	114	117	119	120	121	120	120	117	1	10 01	126	13 53	98	28
16				121	121	121	122	123	121	119	116	120	124	125	114	109	102	109	110	112	116	118	118	118	117	122	122	118	0	10 10	126	13 20	100	26
17			✓	120	120	123	123	123	121	124	133	136	134	122	115	117	120	127	124	119	118	120	122	121	120	119	120	123	1	8 18	139	11 50	112	27
18				120	121	121	122	123	123	120	119	118	116	115	111	103	103	105	105	106	109	113	119	121	122	122	123	116	1	4 50	126	13 30	99	27
19				122	121	123	123	124	124	124	127	124	124	127	134	138	132	139	138	131	125	122	122	122	120	124	125	126	0	15 20	141	9 20	120	21
20	✓			125	124	124	126	126	126	124	123	120	119	116	110	109	111	105	106	115	118	117	120	120	121	122	124	119	0	4 55	128	15 05	102	26
21				123	122	123	123	125	123	122	125	128	133	132	129	125	129	126	131	128	125	126	123	121	122	124	125	126	0	15 55	134	6 20	119	15
22				124	124	124	124	124	124	121	121	122	120	121	120	119	120	123	122	113	115	116	119	121	123	122	122	121	0	3 20	127	16 20	111	16
23			✓	121	121	120	122	123	121	121	123	124	125	126	125	113	112	107	123	127	126	123	125	124	123	123	122	122	1	16 50	131	14 23	104	27
24			✓	122	121	122	123	124	125	125	125	122	114	117	116	105	98	102	107	114	117	122	125	124	125	125	124	118	1	18 50	126	13 50	94	32
25				124	124	125	125	125	125	120	121	127	122	112	103	92	105	120	141	139	129	124	123	125	122	122	123	122	0	15 30	144	12 20	89	55
26				121	121	122	124	124	122	123	127	130	128	128	123	117	104	99	103	118	119	122	124	124	124	124	125	121	0	8 20	132	13 50	97	35
27			✓	123	122	123	123	124	124	123	128	129	128	120	108	98	86	87	103	115	120	120	115	115	117	119	120	116	2	8 00	130	13 23	81	49
28			✓	122	121	123	123	124	124	128	135	138	133	131	124	111	98	91	96	111	116	117	122	122	123	124	124	120	1	8 10	140	14 20	88	52
29				124	124	123	125	124	124	128	141	151	151	136	125	122	115	104	96	106	114	117	119	121	121	122	122	123	0	9 04	155	15 10	93	62
30				122	121	119	121	123	124	124	129	134	Δ													Δ	[122]		0					
31				122	122	122	123	125	126	125	130	136	(141)	145	144	139	131	130	122	115	119	121	121	121	121	122	122	127	1	10 50	146	16 15	112	34
MEANS ALL DAYS a)				122	121	122	123	123	123	122	124	126	125	124	121	117	116	117	117	118	119	120	121	121	121	122	122	121						a) 29
MEANS TEN DAYS ✲				122	121	122	122	123	122	121	122	123	122	123	122	120	122	124	121	120	121	121	122	122	122	122	121	122						24
MEANS FIVE DAYS † (G. M. T.)				121	121	122	122	123	122	120	121	122	122	125	125	123	127	129	125	124	125	124 124	123 123	122	122	121	121	123						
MEANS FIVE DAYS ‡ (G. M. T.)				122	121	122	123	124	123	124	129	130	127	123	118	109	103	103	111	117	119	120	120	120	121	122	122	120						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day January 30

TABLE 527

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

FEBRUARY 1935

FEBRUARY 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	123	124	124	125	127	127	128	142	149	152	148	142	131	125	121	Δ		Δ	111	114	117	116	118	117		1	9	35	153		
2			✓	117	119	121	124	125	125	125	132	139	140	137	134	137	126	131	138	132	129	125	123	121	123	123	121	128	1	8	33	143	0 50	116	27
3				121	121	121	120	124	124	123	131	139	135	132	129	123	113	103	101	103	107	115	120	121	121	121	123	120	1	8	23	142	15 02	99	43
4	✓	✓		122	122	123	123	125	125	121	119	119	119	120	123	129	133	134	132	131	131	129	126	126	125	124	124	125	0	14	06	137	9 20	116	21
5	✓			124	124	124	125	126	126	126	131	137	137	132	125	117	118	126	129	126	119	117	121	121	120	121	122	125	0	8	35	138	12 50	113	25
6	✓			121	122	123	125	126	127	122	122	123	120	115	111	109	115	119	121	128	128	125	125	125	124	122	123	122	0	17	13	131	12 30	108	23
7				121	123	124	125	127	126	124	131	131	127	124	123	119	115	112	113	110	116	119	120	123	120	119	119	121	0	7	37	133	14 10	108	25
8	✓			121	122	123	125	126	126	122	122	125	130	130	131	126	122	117	112	114	119	119	121	121	121	123	123	123	0	11	01	134	15 30	111	23
9	✓			123	122	124	124	124	127	125	128	130	125	120	114	114	114	114	112	113	116	121	123	124	124	123	123	121	0	8	22	133	15 30	111	22
10				123	123	122	122	124	126	125	131	134	128	117	111	109	102	98	98	95	102	113	119	121	120	119	120	117	1	8	20	136	16 20	94	42
11	✓	✓		121	121	121	123	123	124	125	134	142	143	148	144	131	118	116	114	116	116	116	119	120	121	122	122	125	0	10	33	151	15 20	112	39
12				122	122	124	124	125	126	126	131	132	131	125	122	113	111	111	112	115	115	120	121	122	121	120	119	121	0	8	53	136	13 07	110	26
13			✓	121	119	120	124	123	125	120	121	127	126	121	121	116	108	97	92	96	106	110	121	123	117	118	117	116	1	8	19	129	15 38	88	41
14			✓	120	121	123	122	123	124	124	131	129	126	119	112	111	104	100	100	103	111	116	119	120	120	121	122	118	1	7	28	133	14 11	97	36
15				121	121	122	123	124	123	120	122	122	120	119	115	114	115	115	121	123	119	119	121	121	121	122	123	120	1	4	28	126	12 17	112	14
16				121	121	121	123	124	124	119	120	120	121	120	115	118	126	127	120	118	117	118	120	123	124	123	123	121	1	14	01	130	11 22	114	16
17				122	122	123	125	125	125	123	119	115	116	119	114	104	99	103	108	116	120	118	120	120	120	122	122	118	0	4	30	126	13 28	97	29
18				122	122	123	124	125	124	122	125	128	130	129	126	127	120	117	117	121	123	122	122	122	121	121	121	123	0	9	44	132	15 11	115	17
19	✓	✓		122	123	123	124	125	125	123	127	128	131	136	133	130	129	131	134	130	126	126	124	124	124	124	125	127	0	10	33	138	0 10	121	17
20				123	122	124	124	125	126	125	130	130	123	117	105	91	91	96	104	112	114	117	123	121	121	123	123	117	1	7	25	131	12 34	88	43
21				122	122	121	123	123	124	127	134	133	129	129	122	116	116	114	114	117	118	121	122	120	121	123	122	122	1	7	50	137	14 57	111	26
22	✓			122	122	122	124	125	124	121	124	127	126	124	123	122	125	128	130	135	133	126	124	123	124	123	122	125	0	16	51	137	6 27	120	17
23				122	122	121	122	123	124	125	126	125	124	122	118	114	112	108	107	113	117	118	121	122	122	123	123	120	0	7	03	127	15 22	106	21
24				121	121	121	122	122	124	124	130	131	129	115	102	97	97	98	98	100	103	112	118	118	119	120	120	115	1	8	57	135	12 21	95	40
25				121	121	121	123	121	122	118	124	127	132	128	121	117	112	106	109	113	115	121	122	122	122	121	122	120	1	9	48	134	14 42	105	29
26			✓	121	120	122	123	125	124	121	126	136	138	138	135	130	128	123	(121)	120	121	127	123	123	124	125	126	126	1	9	10	139	16 06	116	23
27	✓	✓		127	126	126	126	127	126	125	124	126	132	135	132	130	127	118	117	122	123	125	126	126	125	124	124	126	0	10	20	137	14 43	116	21
28	✓	✓		125	126	125	126	127	127	127	126	125	126	127	129	132	137	133	128	124	122	123	126	126	126	123	125	127	0	13	50	139	17 39	121	18
29																																		
30																																		
31																																		
MEANS ALL DAYS a)				122	122	123	124	125	125	123	127	129	128	126	122	118	116	115	115	117	118	120	122	122	122	122	122	122							27 a)
MEANS TEN DAYS ✲				123	123	123	124	125	126	124	126	128	129	129	126	124	124	124	123	124	123	123	124	124	123	123	123	124							23
MEANS FIVE DAYS † (G. M. T.)				123	124	124	124	125	125	124	126	128	130	133	132	130	129	126	125	125	124	120 124	122 124	123	122	122	123	126							
MEANS FOUR DAYS ‡ (G. M. T.) b)				120	120	122	123	124	124	122	128	133	132	129	126	124	116	113	113	113	117	120	120	121	119	119	119	121							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

a) Twenty-seven days only, omitting incomplete day February 1

b) Omitting incomplete Greenwich day February 1

TABLE 528

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MARCH 1935

MARCH 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				124	126	125	126	128	126	124	127	133	140	140	134	128	126	124	119	116	117	124	124	125	123	124	123	126	1	9	49	146	16	57	114	32
2				122	122	124	124	126	125	124	120	120	119	120	122	127	126	125	122	122	121	122	123	123	123	124	124	123	1	12	30	129	9	30	117	12
3				124	124	124	126	127	126	126	128	127	123	122	122	119	116	115	119	121	124	123	124	124	124	124	124	123	0	7	10	130	14	45	115	15
4	✓	✓		125	125	126	126	127	126	126	128	125	121	118	117	119	122	131	135	133	127	124	124	124	124	124	124	125	0	15	41	138	11	23	115	23
5	✓			124	124	125	126	126	126	126	129	129	126	125	127	127	129	126	123	122	122	125	125	124	123	123	124	125	0	7	13	130	17	15	121	9
6	✓			124	124	124	125	126	126	128	132	134	132	125	120	116	118	118	118	121	121	124	124	124	124	124	124	124	0	7	55	134	12	00	115	19
7	✓			124	126	127	127	127	127	126	134	136	137	137	132	130	128	129	126	124	121	119	122	123	123	124	124	127	0	8	40	139	17	50	119	20
8	✓			124	125	124	126	126	126	125	124	123	121	117	113	115	121	126	127	123	122	124	124	123	125	125	125	123	0	15	04	129	11	30	112	17
9				126	126	126	126	128	127	126	133	134	132	136	136	130	130	127	126	124	121	120	122	122	124	124	124	127	0	10	40	137	17	53	119	18
10	✓	✓		125	124	124	125	127	127	124	126	127	129	130	133	136	135	133	131	127	122	122	123	123	124	125	125	127	0	12	55	137	17	37	121	16
11				125	125	125	125	127	127	126	131	134	129	133	139	138	135	128	123	118	119	119	122	123	123	122	122	127	1	11	25	139	16	40	117	22
12				124	124	124	126	127	127	127	132	134	131	130	128	128	127	127	125	121	120	121	120	121	124	123	122	126	0	8	20	135	17	08	118	17
13			✓	121	122	122	122	124	124	124	128	131	132	131	127	135	147	143	130	118	115	119	123	123	121	123	123	126	1	13	33	153	17	20	113	40
14			✓	125	125	121	124	125	126	124	123	121	120	126	125	122	130	125	116	112	113	120	122	119	123	121	124	122	1	13	33	133	16	17	112	21
15			✓	122	124	124	125	127	126	122	121	121	117	121	131	131	139	136	131	125	121	121	122	122	124	123	124	125	1	13	50	141	9	22	113	28
16			✓	123	123	125	125	125	126	124	124	123	124	125	124	128	141	142	133	124	121	123	123	122	125	125	127	126	1	14	20	144	17	20	120	24
17				124	126	127	127	129	129	127	125	124	121	116	115	113	113	114	116	113	116	119	122	122	125	125	125	121	0	5	49	130	16	25	112	18
18				125	126	127	127	128	126	128	133	132	133	130	127	125	128	132	131	129	128	127	125	125	127	128	128	128	0	14	40	134	11	50	125	9
19				127	127	129	129	130	129	128	131	128	119	113	113	112	110	108	113	114	118	122	124	125	125	127	127	122	0	4	00	132	14	36	108	24
20				127	128	129	129	130	128	129	134	135	134	137	135	131	125	123	121	121	124	123	124	124	124	124	126	128	1	10	15	138	15	25	120	18
21				125	126	127	127	127	129	132	137	136	130	119	112	107	107	112	121	122	121	120	122	125	122	122	122	123	1	7	36	139	12	30	105	34
22				122	124	126	125	126	127	127	129	131	131	127	117	112	103	101	102	108	117	121	122	122	123	123	124	120	0	8	10	132	13	50	100	32
23				125	125	126	128	129	129	131	133	130	130	130	127	118	109	105	110	117	122	120	121	121	122	123	123	123	0	7	10	134	13	56	104	30
24				121	122	124	126	127	126	128	130	128	126	128	120	106	106	108	107	112	119	124	123	123	125	124	126	121	1	7	39	132	12	35	104	28
25				126	124	126	126	126	127	128	131	130	130	130	128	127	124	121	119	118	122	126	124	125	126	126	125	126	0	7	28	132	16	10	117	15
26	✓			126	127	127	128	128	128	125	129	127	121	119	120	120	118	117	117	117	120	124	125	125	125	125	126	124	0	7	14	130	16	15	116	14
27	✓	✓		124	125	126	127	128	127	124	125	127	131	129	127	122	119	116	114	116	118	123	123	126	127	126	125	124	0	9	10	132	15	30	113	19
28	✓	✓		124	125	125	126	126	127	124	121	119	120	118	118	122	123	122	120	118	118	123	125	125	126	127	126	123	0	22	34	128	11	10	116	12
29	✓	✓		127	127	128	129	129	129	128	126	125	119	118	119	122	119	114	109	111	114	120	122	124	125	124	124	122	0	3	20	130	15	03	108	22
30			✓	124	124	125	126	128	128	129	132	124	111	122	119	115	110	107	110	114	119	123	124	124	124	124	126	121	1	7	15	135	14	27	104	31
31				124	125	126	128	129	130	131	133	135	129	125	125	128	129	117	112	111	116	121	122	123	124	124	125	125	1	8	06	137	15	42	111	26
MEANS ALL DAYS				124	125	125	126	127	127	126	129	128	126	126	124	123	123	122	120	119	120	122	123	123	124	124	125	124								21
MEANS TEN DAYS ✲				125	125	126	126	127	127	126	127	127	126	124	123	123	123	123	122	121	120	123	124	124	125	125	125	124								17
MEANS FIVE DAYS † (G. M. T.)				125	125	126	127	127	127	125	125	125	124	123	123	124	124	123	122	121	120	123 / 122	124 / 123	124	125	125	125	124								
MEANS FIVE DAYS ‡ (G. M. T.)				123	124	123	124	126	126	125	126	124	121	125	125	126	133	131	124	119	118	121	122	122	123	123	123	124								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 529

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

APRIL 1935 — APRIL 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				126	126	127	127	127	127	128	127	126	124	124	128	131	123	112	113	116	121	125	124	123	124	126	127	124	0	6 42	129	14 50	111	18
2	✓	✓		127	127	128	129	130	130	130	130	126	121	120	118	120	118	117	118	120	121	123	124	125	125	127	128	124	0	6 09	131	15 05	115	16
3	✓			129	128	129	129	129	129	129	126	125	125	124	119	116	118	(119	122	124)	125	124	121	121	122	124	125	124	0	6 01	131	12 20	114	17
4	✓			127	127	128	128	128	130	128	125	116	108	99	96	96	99	104	(112)	116	120	123	123	123	123	123	124	118	0	5 20	130	11 30	95	35
5	✓			124	125	126	128	128	128	129	133	130	126	122	116	113	108	109	116	123	125	126	125	125	126	126	126	123	0	7 07	134	13 50	106	28
6	✓	✓		125	125	128	129	129	129	129	130	126	120	118	116	118	123	125	127	127	127	126	124	124	125	126	126	125	0	7 13	133	11 37	114	19
7	✓	✓		126	127	128	129	129	129	131	133	129	124	121	121	120	114	108	111	116	122	124	124	124	125	124	123	123	0	7 10	135	14 35	107	28
8				123	125	127	127	128	129	130	129	126	123	121	120	117	112	101	102	107	115	123	123	121	120	117	117	120	1	6 50	131	14 40	100	31
9			✓	119	121	122	124	124	125	(125	124	123)	120	115	115	117	115	114	114	118	122	124	125	125	126	124	124	121	1	21 20	127	11 00	113	14
10			✓	124	125	126	128	129	132	129	126	129	120	122	121	107	107	108	111	118	124	126	126	122	126	124	126	122	2	8 25	138	12 05	105	33
11			✓	124	125	129	131	128	133	130	128	125	119	122	120	112	111	113	114	116	118	121	125	126	125	126	126	123	1	5 20	134	12 12	109	25
12			✓	127	127	125	130	130	129	130	127	121	119	120	118	119	123	117	(116)	116	122	123	126	124	127	124	127	124	1	4 24	132	14 56	111	21
13			✓	126	128	130	130	132	131	137	143	137	124	114	109	108	103	96	94	105	116	123	124	124	124	125	126	121	1	7 45	146	15 05	92	54
14				128	128	130	128	130	130	128	125	124	120	117	116	116	114	110	109	113	120	122	123	125	127	125	129	122	0	5 34	132	15 13	108	24
15				128	128	128	129	129	130	131	131	131	129	126	125	125	127	123	112	111	120	125	124	125	127	127	127	126	0	5 35	133	16 00	109	24
16				129	130	127	129	129	130	129	126	119	115	109	104	105	115	122	121	122	123	122	124	127	126	126	127	122	0	5 00	131	11 30	102	29
17				127	128	129	131	131	129	125	119	115	112	111	112	118	125	127	126	126	128	128	128	128	128	126	125	124	0	3 50	133	10 44	109	24
18				130	131	130	131	131	130	129	126	119	109	103	101	103	106	107	109	115	122	125	125	127	127	127	127	120	0	1 02	133	11 20	99	34
19				127	128	130	130	131	131	134	142	142	136	132	126	122	120	122	120	120	124	125	124	125	127	127	128	128	0	7 46	146	12 52	119	27
20				129	129	130	130	131	131	135	141	140	134	128	125	124	120	118	117	119	123	124	124	125	125	126	126	127	0	7 30	142	15 30	116	26
21				127	128	130	130	130	130	132	135	128	121	113	111	106	103	104	104	112	122	125	125	126	127	127	127	122	0	7 17	138	13 05	102	36
22	✓			128	128	129	129	129	129	130	133	131	127	123	119	119	113	114	113	115	121	122	124	126	126	126	125	124	0	7 30	134	15 50	113	21
23				126	128	129	130	131	131	134	140	140	134	129	124	119	117	115	112	118	125	126	125	126	126	126	127	127	0	8 10	141	15 32	111	30
24				128	128	128	129	129	130	132	139	139	136	132	130	130	126	124	120	117	121	125	127	127	129	128	127	128	0	7 45	141	16 21	116	25
25				129	130	130	131	131	131	134	136	133	127	120	115	115	114	113	110	110	117	122	125	126	128	128	127	124	0	6 46	137	15 34	108	29
26				128	128	129	130	131	130	130	131	132	129	129	131	133	130	123	118	113	119	125	125	126	127	127	128	127	0	12 20	134	16 10	113	21
27	✓	✓		129	130	130	130	130	129	129	127	124	121	120	119	121	118	122	118	119	120	123	124	126	128	128	128	125	0	4 00	131	11 30	117	14
28	✓	✓		129	129	129	129	129	130	128	127	128	125	123	125	126	119	114	109	114	122	126	126	126	128	127	128	125	0	5 30	131	15 26	108	23
29	✓			128	127	129	129	129	129	129	128	128	129	130	134	138	132	120	115	119	123	125	125	126	127	127	128	127	0	12 50	139	15 14	114	25
30				127	128	128	129	130	130	130	127	124	119	113	116	121	127	123	121	120	120	123	124	125	126	126	126	124	0	3 52	131	10 50	111	20
31																																		
MEANS ALL DAYS				127	127	128	129	129	130	130	130	128	123	120	118	118	117	115	114	117	122	124	125	125	126	126	126	124						26
MEANS TEN DAYS ✲				127	127	128	129	129	129	129	129	126	123	120	118	119	116	115	116	119	123	124	124	125	126	126	126	124						23
MEANS FIVE DAYS (G. M. T.) †				127	128	129	129	129	129	129	129	127	122	120	120	121	118	117	117	119	122	125 124 124 124		125	126	127	127	124						
MEANS FIVE DAYS (G. M. T.) ‡				124	125	126	129	129	130	130	130	127	120	119	117	113	112	110	110	115	120	123	125	124	125	123	124	122						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 530

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

MAY 1935 — MAY 1935

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	124	129	129	129	130	132	131	129	126	117	125	125	131	132	130	125	122	120	116	120	125	127	130	131	126	2	5 25	133	9 20	113	20
2			✓	131	131	131	131	131	133	132	129	127	128	126	124	120	115	116	119	120	124	125	126	126	127	126	126	126	1	5 30	134	13 40	114	20
3				127	128	129	130	129	131	128	129	128	126	127	127	128	127	124	123	125	126	126	126	128	128	128	128	127	0	5 10	132	15 20	123	9
4	✓			129	130	130	130	131	131	131	131	131	124	123	129	126	122	125	130	129	129	128	127	128	129	129	129	128	0	6 39	132	10 00	121	11
5	✓			129	129	130	131	132	132	133	134	133	129	123	121	119	119	117	122	126	129	128	129	128	129	130	129	128	0	7 15	135	14 20	116	19
6	✓	✓		129	130	130	132	133	133	135	136	135	133	134	134	133	127	119	113	111	120	127	129	130	131	130	131	129	0	7 06	137	16 00	109	28
7	✓			131	131	133	133	133	133	136	143	147	149	148	137	125	115	106	102	107	116	125	127	128	129	130	130	129	0	9 10	150	15 10	102	48
8	✓	✓		130	131	131	132	133	133	137	148	149	142	134	129	125	118	119	116	116	125	130	130	131	131	131	131	130	0	7 43	150	16 00	114	36
9	✓	✓		131	132	131	132	132	133	133	133	129	128	126	129	129	126	122	119	121	128	130	130	131	131	131	130	129	0	5 10	134	15 20	118	16
10			✓	131	132	132	133	133	133	135	138	135	129	132	131	131	141	136	127	128	130	127	127	130	132	134	132	132	1	13 25	142	15 50	125	17
11				131	132	133	133	133	134	133	129	123	121	123	122	128	126	117	117	119	124	127	128	129	130	133	131	127	1	6 27	134	14 50	114	20
12			✓	132	133	132	133	134	134	136	132	126	122	120	120	117	116	120	118	115	121	127	128	127	128	127	128	126	1	6 30	137	16 30	114	23
13				129	128	131	131	132	132	132	132	130	128	124	119	119	120	119	120	122	125	127	127	128	128	128	128	127	1	7 10	134	11 40	117	17
14				130	131	130	131	133	132	133	132	128	127	127	125	125	120	115	114	119	124	125	126	127	128	124	124	126	0	6 50	135	14 50	113	22
15				128	128	128	129	129	129	128	126	121	121	118	124	125	123	121	116	120	125	126	126	128	128	130	130	125	0	3 07	130	15 40	115	15
16				129	131	128	130	131	131	130	130	123	121	115	112	109	110	116	121	119	122	124	125	127	127	127	127	124	1	*6 23	132	12 07	107	25
17	✓			128	129	129	129	129	130	131	130	126	120	113	112	111	116	124	120	118	121	124	125	126	127	127	127	124	0	6 31	132	11 31	110	22
18				127	127	127	127	128	128	129	124	119	115	112	109	103	103	108	112	117	124	126	126	127	128	129	128	121	0	6 25	131	12 40	101	30
19				129	130	130	130	131	131	134	132	127	117	112	107	97	96	101	108	116	122	125	125	125	127	128	125	121	1	6 33	136	12 47	95	41
20			✓	125	127	125	126	127	128	132	137	134	128	123	121	116	115	118	112	113	121	125	127	129	129	129	130	125	0	7 45	138	15 33	110	28
21				130	129	130	129	130	130	130	131	129	124	124	121	119	122	121	120	121	125	127	128	130	131	129	129	127	0	21 34	132	12 20	118	14
22				130	129	129	129	129	130	134	138	136	132	129	125	117	115	117	117	118	123	127	128	129	130	130	130	127	0	8 00	140	12 50	114	26
23	✓			130	130	131	132	130	132	132	134	134	129	123	118	113	114	121	123	126	129	130	130	130	130	130	130	128	0	7 23	135	12 43	111	24
24	✓	✓		130	131	131	133	132	132	133	133	131	128	128	129	131	131	129	128	126	126	129	131	131	131	132	131	130	0	6 50	134	17 00	124	10
25	✓	✓		131	132	132	132	133	133	135	134	128	118	117	121	120	119	112	112	117	125	128	129	131	132	132	131	126	0	7 00	135	14 47	110	25
26				131	131	132	133	133	134	134	134	131	129	125	126	126	127	126	121	120	124	128	130	131	131	132	132	129	0	7 26	136	16 00	118	18
27				132	132	133	132	133	132	134	134	131	127	125	125	130	133	133	128	123	125	130	132	132	133	133	133	131	0	6 50	135	16 27	122	13
28				133	132	134	134	134	134	136	133	127	122	126	125	129	131	122	120	119	123	130	131	133	133	133	132	129	0	6 20	138	16 10	119	19
29				132	131	132	133	132	134	136	130	123	118	116	121	118	119	122	124	123	127	131	131	132	134	133	133	128	0	6 20	138	10 13	114	24
30				134	134	134	133	134	135	138	136	131	124	126	128	130	131	131	135	135	132	132	133	133	133	133	133	132	0	7 00	139	9 40	122	17
31				132	134	135	135	136	138	140	133	122	121	121	Δ					Δ	130	132	134	133	134	135	135		0	6 34	142	10 50	118	24
MEANS ALL DAYS a)				130	130	131	131	131	132	133	133	130	126	124	123	122	121	120	119	120	124	127	128	129	130	130	130	127						22 a)
MEANS TEN DAYS ✻				130	130	131	132	132	132	134	136	134	130	127	126	123	121	119	118	120	125	128	129	129	130	130	130	128						24
MEANS FIVE DAYS (G. M. T.) †				130	131	131	132	133	133	135	137	134	130	128	128	128	124	120	118	118	125	128 129 129 130	129 130	130	130	131	130	129						
MEANS FIVE DAYS (G. M. T.) ‡				129	130	130	130	131	132	133	133	130	125	125	124	123	124	124	120	120	123	124	125	127	128	130	129	127						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
Δ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day May 31

TABLE 531

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

JUNE 1935

JUNE 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		134	135	136	136	136	135	137	141	135	126	126	127	128	128	130	(134	131)	132	135	134	135	134	134	134	133	0	7 20	142	10 20	124	18
2	✓	✓		134	134	135	137	138	138	140	139	131	129	129	129	131	141	143	142	131	130	132	132	133	133	133	133	134	0	14 23	147	10 50	126	21
3	✓			133	135	136	137	137	137	138	139	140	139	139	140	142	133	129	128	126	128	131	132	133	133	133	133	135	0	12 20	147	16 40	121	26
4				133	136	138	138	139	138	139	139	138	131	127	127	127	129	131	128	129	131	134	133	134	134	134	134	133	1	7 13	142	12 42	122	20
5				136	137	138	137	137	137	138	139	134	132	131	134	130	120	119	119	122	(128	135)	138	139	141	140	139	133	1	21 40	142	13 42	115	27
6				139	139	139	139	140	140	140	138	137	135	134	132	129	118	110	112	121	126	132	134	135	135	135	136	132	0	6 54	142	14 45	108	34
7			✓	136	136	137	137	137	137	140	145	145	140	135	124	122	122	122	122	125	131	137	135	135	136	137	140	134	1	7 18	148	13 40	120	28
8			✓	138	138	140	139	143	140	142	143	140	135	135	130	124	117	112	117	123	128	131	132	136	137	137	137	133	1	7 06	145	14 35	109	36
9			✓	138	139	140	138	138	138	140	143	140	131	124	128	132	131	132	132	128	131	134	131	135	135	135	136	135	1	7 30	146	11 04	119	27
10			✓	134	135	135	136	136	136	137	139	138	135	135	136	140	144	139	135	127	127	132	133	134	135	135	135	135	1	13 53	146	16 40	124	22
11				134	134	134	134	134	135	136	138	138	136	132	129	127	122	122	119	122	127	132	132	132	133	133	133	131	1	7 29	140	15 30	117	23
12				134	134	135	136	136	136	137	136	132	133	133	127	128	128	130	131	130	132	133	133	135	136	136	135	133	0	6 15	140	12 00	123	17
13				136	136	136	136	136	135	135	128	123	122	124	124	123	121	121	119	121	128	130	133	132	136	137	137	130	0	6 20	138	15 40	116	22
14				136	136	135	136	135	135	137	132	129	127	130	132	133	129	129	125	121	126	130	131	132	134	134	133	132	0	6 33	138	16 20	120	18
15	✓	✓		133	134	134	134	134	134	134	131	132	132	129	128	129	130	128	126	126	127	130	131	133	134	134	134	131	0	6 20	137	15 24	125	12
16	✓	✓		134	134	134	134	134	134	135	132	126	127	126	131	136	135	137	133	126	130	132	133	134	134	134	134	132	0	14 30	138	10 37	124	14
17				134	134	134	135	135	135	139	138	133	123	116	117	123	125	125	132	130	131	134	134	136	134	134	139	131	0	6 55	141	11 22	114	27
18			✓	134	136	138	136	136	140	137	135	126	111	109	105	110	110	118	123	128	131	135	135	138	139	138	138	129	1	5 37	143	11 30	103	40
19				139	138	139	140	140	140	141	140	133	126	120	117	116	119	123	126	129	131	132	133	134	136	137	135	132	1	6 57	143	12 30	115	28
20				134	135	136	137	137	137	140	143	141	139	139	136	133	131	126	123	126	130	131	134	136	136	136	136	135	1	7 50	144	14 58	121	23
21				136	137	137	137	138	139	142	143	141	137	136	136	138	139	139	141	138	135	136	135	136	136	136	135	138	0	7 00	145	10 34	135	10
22	✓			136	136	136	137	137	138	140	135	126	120	118	117	121	123	118	119	126	131	134	135	135	135	135	136	130	0	6 19	142	11 00	115	27
23	✓			136	136	136	136	138	139	141	138	135	133	128	128	126	124	124	125	126	131	133	136	137	137	137	137	133	0	6 37	143	13 05	121	22
24	✓			137	137	138	138	138	139	139	138	134	129	124	127	133	133	126	124	127	132	134	134	135	135	135	135	133	0	6 33	141	10 20	122	19
25	✓	✓		134	134	135	135	135	135	137	135	131	122	117	116	118	121	120	118	121	125	129	132	133	134	133	133	128	0	6 26	139	11 10	114	25
26	✓			133	133	133	134	133	134	136	132	128	118	119	120	120	119	117	123	124	128	131	132	133	135	136	135	129	0	6 20	138	14 33	115	23
27				135	135	135	135	135	136	139	135	130	128	128	126	124	118	122	127	129	129	132	133	134	134	134	134	131	0	6 40	141	13 40	116	25
28				134	134	136	135	136	136	137	137	133	128	124	131	126	109	110	116	124	129	132	132	133	133	133	134	130	0	6 53	140	13 57	105	35
29				134	134	136	136	135	136	141	141	136	125	116	113	114	110	110	114	119	127	129	131	131	132	132	132	128	0	6 55	143	13 15	108	35
30				133	132	133	133	134	133	136	136	133	127	116	109	114	112	104	105	119	128	132	133	133	133	133	133	126	0	6 40	138	14 40	101	37
31																																		
MEANS ALL DAYS				135	135	136	136	137	137	138	138	134	129	127	126	127	125	124	125	126	129	132	133	134	135	135	135	132						25
MEANS TEN DAYS ✲				134	135	135	136	136	136	138	136	132	128	126	126	128	129	127	127	126	129	132	133	134	134	134	134	132						21
MEANS FIVE DAYS † (G. M. T.)				134	134	135	135	135	135	137	136	131	127	125	126	128	131	132	131	127	129	132 132	133 132	134	134	134	134	132						
MEANS FIVE DAYS ‡ (G. M. T.)				136	137	138	137	138	138	139	141	138	130	128	125	126	125	125	126	126	130	134	133	135	135	136	138	133						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 532

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75 TH MERIDIAN MEAN TIME)

JULY 1935 — JULY 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				133	133	134	134	134	134	136	135	134	127	125	122	122	116	115	117	116	124	129	132	132	134	134	134	129	0	6 32	137	14 04	113	24
2				133	136	136	136	136	136	138	136	127	123	121	124	123	124	124	120	120	126	130	135	137	137	137	137	130	0	6 33	140	15 56	118	22
3	✓			137	137	137	138	139	139	142	138	135	136	136	137	140	138	130	126	129	132	135	136	138	137	137	136	136	0	6 20	144	15 20	124	20
4	✓			137	138	138	138	139	139	140	137	135	132	126	125	128	140	137	135	136	135	136	138	138	138	138	138	136	0	6 22	142	12 00	123	19
5	✓	✓		138	137	138	138	138	138	138	136	131	126	126	136	139	142	141	131	126	128	135	137	137	137	137	137	135	0	13 54	145	9 50	121	24
6	✓	✓		137	137	137	138	139	139	140	142	142	135	128	122	125	122	119	116	119	128	134	135	137	138	138	137	133	0	8 00	144	15 50	115	29
7				137	138	138	139	139	139	141	139	132	124	117	120	119	119	124	127	131	133	136	138	140	140	140	141	133	1	21 51	145	10 30	115	30
8			✓	140	137	138	137	139	141	149	155	160	146	126	127	128	125	125	126	126	134	140	141	142	141	141	142	138	1	8 40	162	10 50	123	39
9			✓	142	143	143	143	144	144	144	145	146	145	144	145	145	136	137	136	134	138	140	142	144	144	145	145	142	1	9 10	149	16 20	132	17
10	✓			145	145	145	145	146	144	147	148	147	141	135	131	131	132	130	133	139	141	141	141	142	143	143	142	141	0	7 30	150	14 10	128	22
11				142	143	143	144	144	143	144	146	143	138	138	136	134	130	121	124	128	134	139	141	142	142	142	142	138	0	7 14	147	14 30	118	29
12				142	142	142	142	142	142	142	140	137	134	127	124	125	124	121	124	129	134	138	139	140	142	142	141	136	0	6 14	143	14 20	120	23
13	✓			141	141	141	141	140	140	141	148	147	139	129	125	127	124	125	124	127	132	137	138	139	140	140	140	136	0	7 50	150	13 22	121	29
14				141	141	141	140	140	139	140	138	137	129	122	120	116	114	118	121	124	131	135	139	140	141	140	140	133	1	1 10	143	13 30	112	31
15				139	140	140	140	139	140	141	138	130	119	110	110	112	114	114	115	119	130	133	136	137	138	138	138	130	0	6 20	142	11 00	106	36
16				139	139	139	140	140	139	139	141	137	123	112	112	123	118	118	126	136	138	137	139	140	140	140	140	133	0	7 17	143	11 00	107	36
17	✓	✓		140	140	139	140	140	140	141	138	128	120	121	126	130	126	129	131	134	137	137	138	140	140	139	140	135	0	6 42	143	9 57	118	25
18	✓	✓		141	141	141	141	141	141	145	146	144	136	123	125	129	121	120	128	139	141	139	139	140	138	137	139	136	0	7 00	148	13 46	117	31
19				139	138	138	140	140	141	145	150	146	134	127	127	135	125	124	131	138	139	139	139	140	141	140	141	137	0	7 30	152	13 40	122	30
20	✓			140	141	141	142	142	144	146	144	135	119	112	114	113	115	120	132	139	142	141	141	141	141	140	139	134	0	6 43	148	10 26	110	38
21				140	139	141	141	142	143	147	147	147	146	138	128	128	128	127	125	128	137	137	139	140	140	139	138	138	0	9 00	150	15 44	122	28
22			✓	136	139	139	140	141	142	146	151	150	145	143	140	118	105	113	121	129	134	135	140	140	140	139	140	136	1	7 45	153	13 10	103	50
23				139	140	140	141	141	141	144	141	138	135	132	137	125	113	111	114	120	130	133	137	138	138	139	138	134	1	6 20	146	14 08	110	36
24			✓	138	139	139	141	141	141	143	150	147	146	138	133	128	121	121	128	131	133	138	138	138	140	138	138	137	1	7 45	154	14 10	117	37
25			✓	138	136	138	135	138	140	147	155	157	149	142	139	140	130	131	129	131	134	138	139	139	140	140	140	139	1	8 10	159	13 47	126	33
26				140	140	141	141	142	142	145	148	151	151	149	144	140	131	130	132	134	136	137	137	137	139	137	140	140	0	9 43	152	14 12	127	25
27	✓			141	141	141	142	142	143	143	143	146	148	147	148	149	136	123	126	135	140	140	139	140	141	140	141	141	0	12 20	152	14 30	121	31
28				142	141	141	142	142	143	145	144	138	132	131	128	122	127	132	133	134	137	138	139	140	140	140	140	137	0	6 30	147	12 24	120	27
29				138	137	138	139	142	142	144	143	138	132	125	123	130	132	125	120	121	131	136	137	138	140	141	141	135	0	6 20	147	16 07	117	30
30		✓		141	141	141	142	142	142	144	149	146	143	139	137	136	136	137	136	138	141	141	142	141	142	143	143	141	0	7 40	151	15 14	134	17
31				144	144	145	145	145	145	146	146	144	146	142	138	138	133	134	134	137	140	139	138	139	141	142	142	141	1	6 20	147	13 46	131	16
MEANS ALL DAYS				139	139	140	140	141	141	143	144	141	135	130	129	129	126	125	126	130	135	137	138	139	140	140	140	136						29
MEANS TEN DAYS ✻				140	140	140	140	141	141	142	142	139	133	128	129	131	130	127	128	132	136	138	138	139	139	139	139	136						27
MEANS FIVE DAYS † (G. M. T.)				139	139	139	140	140	140	142	142	138	132	127	129	132	129	129	128	131	135	136 137	138 138	139	139	139	139	136						
MEANS FIVE DAYS ‡ (G. M. T.)				139	139	139	139	141	142	146	151	152	146	139	137	132	123	125	128	130	135	138	139	140	140	139	139	138						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 533

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

AUGUST 1935 — AUGUST 1935

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				142	143	143	143	144	145	147	148	142	140	130	121	119	119	123	129	135	136	138	137	139	139	140	141	137	0	7 00	149	13 24	118	31
2				141	141	142	142	143	142	144	147	141	138	131	128	117	104	106	114	124	131	138	138	139	139	139	140	134	0	7 06	148	13 40	102	46
3	✓	✓		140	141	142	143	144	144	145	146	149	154	151	151	149	151	148	143	141	139	139	138	139	139	139	139	144	0	9 36	155	18 53	137	18
4	✓			140	140	141	142	143	143	142	140	137	129	129	133	126	115	116	118	124	132	136	138	139	139	139	140	134	0	4 51	144	13 37	113	31
5				141	141	142	143	143	144	144	145	142	136	131	127	122	123	129	132	129	134	143	139	140	140	140	141	137	0	7 04	146	12 42	120	26
6				141	142	142	144	144	143	142	141	138	136	142	141	137	134	138	135	134	136	137	139	140	141	140	141	140	0	4 19	145	16 01	132	13
7				142	142	142	141	143	142	143	146	145	143	135	132	123	123	132	127	127	131	134	134	136	136	137	137	136	0	7 20	147	13 00	116	31
8	✓			137	137	139	137	138	137	137	136	133	131	132	130	126	121	118	119	(123	128	133)	138	139	140	140	140	133	0	7 10	139	15 03	117	22
9				140	140	141	141	141	141	143	141	134	126	120	115	122	129	137	143	143	140	138	139	140	141	141	141	137	0	16 20	144	11 14	114	30
10				141	142	142	142	142	143	145	146	146	147	143	139	131	127	132	128	127	132	135	138	138	139	140	140	139	0	9 20	148	13 20	126	22
11	✓			140	140	141	141	141	141	142	138	133	128	132	133	138	146	151	132	130	131	135	138	138	139	140	140	138	0	14 10	156	9 15	126	30
12	✓	✓		141	141	141	141	141	142	142	139	135	130	121	124	127	(132	138)	126	130	133	137	141	142	143	142	142	136	0	6 30	143	9 35	120	23
13	✓			143	144	144	144	145	145	144	148	147	139	133	139	139	142	148	144	136	140	142	142	142	143	142	143	142	0	8 00	150	10 36	132	18
14	✓	✓		143	144	144	144	145	146	148	147	142	133	127	124	124	125	127	125	122	130	136	138	139	140	141	141	136	0	6 13	150	16 10	121	29
15	✓			142	143	144	144	145	146	146	137	133	133	131	131	132	129	124	122	127	133	138	137	139	140	140	141	137	0	6 04	147	15 10	120	27
16				142	142	142	143	143	144	146	143	137	133	136	133	135	124	124	129	137	138	140	140	140	140	141	141	138	0	6 33	147	14 27	123	24
17	✓	✓		142	143	143	143	144	144	145	144	144	138	132	122	116	117	120	129	134	142	141	142	142	142	142	143	137	0	6 10	147	12 52	115	32
18	✓	✓		144	144	145	145	147	148	148	148	145	140	129	120	114	114	121	128	132	138	141	142	143	143	142	143	138	0	6 20	150	13 10	111	39
19			✓	144	144	144	145	147	147	147	149	149	153	153	145	135	122	120	123	128	134	138	138	139	140	140	140	140	1	9 17	154	13 50	119	35
20			✓	140	140	141	141	143	145	149	145	135	126	111	100	97	101	110	121	129	136	136	136	138	139	139	139	131	1	6 23	150	12 54	96	54
21			✓	140	139	139	139	141	141	142	144	141	134	127	127	124	126	131	130	130	132	136	136	137	139	139	140	136	1	8 00	146	12 42	122	24
22				142	142	142	142	143	143	143	139	133	127	122	120	121	124	123	122	126	132	134	137	137	137	138	139	134	0	6 23	146	11 03	118	28
23				139	139	140	142	140	139	143	147	147	144	139	138	134	130	128	129	130	133	136	136	136	138	138	139	138	0	7 56	149	14 20	126	23
24				140	139	139	140	140	141	140	137	133	135	135	138	135	131	128	133	135	135	136	136	136	135	136	136	136	0	5 43	142	14 15	126	16
25				138	140	141	141	141	141	141	135	127	126	122	120	118	121	125	125	127	134	137	137	138	139	139	138	133	0	6 10	143	12 20	117	26
26				140	140	140	141	141	141	140	137	133	129	128	127	127	128	137	135	134	134	137	136	137	138	138	138	136	0	5 26	142	12 00	125	17
27			✓	139	139	139	139	139	139	139	132	130	133	137	137	140	137	124	125	125	129	134	134	135	136	137	138	135	1	12 37	144	14 08	118	26
28			✓	139	138	139	139	141	141	141	132	125	120	117	116	126	130	134	133	131	133	134	134	135	135	135	136	133	1	6 06	145	11 12	114	31
29				140	140	140	141	141	142	142	140	132	119	111	107	107	107	109	114	120	127	132	132	133	133	133	133	128	0	6 06	145	11 30	105	40
30				136	136	137	140	141	142	138	133	127	122	123	126	124	123	118	118	126	132	135	134	134	135	134	133	131	0	5 44	142	15 00	116	26
31				136	138	140	140	141	143	143	143	136	129	124	119	120	120	115	115	123	128	133	133	133	135	133	133	131	0	6 08	144	15 10	114	30
MEANS ALL DAYS				140	141	141	142	142	143	143	142	138	134	130	128	126	125	127	127	130	134	137	137	138	139	139	139	136						28
MEANS TEN DAYS ✲				141	142	142	142	143	144	144	142	140	136	132	131	129	129	131	129	130	135	138	139	140	141	141	141	138						27
MEANS FIVE DAYS † (G. M. T.)				142	143	143	143	144	145	146	145	143	139	132	128	126	128	131	130	132	136	139 139	140 140	140	141	141	141	138						
MEANS FIVE DAYS ‡ (G. M. T.)				140	140	140	141	142	143	144	140	136	133	129	125	124	123	124	126	129	133	136	137	138	139	139	140	135						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 534

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

SEPTEMBER 1935 — SEPTEMBER 1935

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			137	138	138	139	140	141	139	133	125	121	120	124	129	130	127	125	126	129	134	134	135	135	137	137	132	0	6 01	142	10 38	119	23
2	✓	✓		138	138	139	139	140	142	141	138	134	128	119	117	120	125	125	129	132	137	138	138	137	138	138	136	134	0	6 10	144	11 00	116	28
3	✓			137	139	140	141	142	142	142	141	139	136	139	136	136	127	123	121	122	129	134	135	135	136	136	136	135	0	6 09	144	15 41	119	25
4				137	137	139	141	142	142	141	140	136	121	109	108	118	119	118	121	121	128	137	137	137	136	135	134	131	0	6 03	143	10 53	104	39
5	✓			138	138	139	139	140	140	139	134	125	115	104	101	103	109	115	124	126	132	135	136	137	138	137	136	128	0	5 00	142	10 57	100	42
6	✓			138	139	139	140	140	142	142	135	121	119	109	102	102	106	108	115	117	128	130	135	135	135	134	135	127	0	6 00	144	12 30	100	44
7				136	137	139	140	140	141	141	136	127	119	115	116	123	126	130	127	128	130	132	133	135	136	136	136	132	1	6 15	142	11 07	112	30
8	✓	✓		138	139	139	141	141	141	140	131	119	109	99	98	104	108	111	115	116	123	132	133	134	135	138	137	126	0	6 15	143	10 58	95	48
9				138	137	139	139	140	140	142	142	140	135	132	135	142	145	144	133	126	132	137	137	137	138	137	138	138	0	13 17	148	16 14	125	23
10				140	140	140	140	141	142	144	141	135	122	107	110	116	109	106	114	119	127	134	135	135	136	134	135	129	1	6 22	145	14 26	104	41
11			✓	135	137	139	140	140	142	143	142	133	135	115	111	106	106	111	117	120	126	134	135	130	138	135	135	129	2	3 06	148	12 42	99	49
12			✓	137	139	145	142	142	143	145	145	140	136	132	132	130	126	126	125	126	130	135	135	135	136	136	137	136	1	2 21	146	14 57	123	23
13	✓	✓		139	140	140	141	142	142	141	136	132	126	121	120	125	128	131	130	131	135	136	135	135	136	136	137	134	0	5 10	144	10 22	117	27
14	✓			138	139	140	142	142	143	144	141	127	113	109	113	114	118	122	123	129	134	134	134	134	136	136	137	131	0	6 50	145	10 20	108	37
15				138	139	140	141	141	142	145	147	146	140	137	141	141	136	127	126	125	126	131	133	133	134	134	135	137	0	8 11	149	15 55	123	26
16				137	138	138	138	139	140	143	142	140	133	122	123	134	133	128	119	114	120	129	133	134	133	136	136	133	1	6 40	145	16 40	112	33
17				138	138	138	138	139	139	143	148	147	140	138	133	129	129	126	125	129	132	134	134	133	134	134	134	136	1	7 26	149	15 10	123	26
18			✓	137	137	139	137	137	139	149	157	150	149	147	143	142	140	135	134	130	132	134	135	135	136	137	135	139	1	7 50	159	16 36	129	30
19				137	137	137	140	139	138	137	137	132	124	118	113	112	116	117	120	127	132	136	136	136	136	137	136	130	1	3 38	141	12 20	111	30
20	✓			138	137	138	138	138	138	138	139	137	133	134	138	140	137	125	118	123	126	131	134	134	134	134	136	134	0	7 39	141	15 30	116	25
21	✓	✓		138	138	139	139	139	139	138	136	134	132	136	141	144	140	131	125	126	130	131	133	134	134	134	135	135	0	12 39	145	15 30	124	21
22		✓		136	136	136	136	137	140	138	135	132	124	127	135	137	132	131	128	128	128	130	132	132	133	135	136	133	0	5 55	141	9 51	122	19
23			✓	137	138	137	138	138	141	144	147	138	133	127	126	128	133	136	133	128	128	132	132	133	133	132	133	134	1	7 47	148	10 45	123	25
24				138	138	137	137	138	139	139	138	138	133	130	129	131	134	139	138	132	131	134	135	136	131	131	134	135	1	6 04	140	11 29	127	13
25			✓	135	136	136	141	141	141	142	140	127	120	121	125	127	131	138	139	133	131	132	135	134	133	133	131	133	1	3 42	145	10 14	117	28
26				134	134	138	139	140	139	138	137	129	127	126	124	123	121	118	117	117	123	131	133	133	133	133	133	130	1	5 18	142	15 40	115	27
27				134	134	136	138	138	139	147	153	150	145	137	130	125	121	121	121	121	126	128	135	136	136	137	139	134	0	7 58	154	14 07	119	35
28				139	140	140	141	141	144	145	144	142	136	136	135	127	124	122	119	121	127	134	134	132	135	135	135	134	0	6 09	146	15 44	117	29
29				140	140	141	141	143	145	147	145	137	128	121	118	114	110	110	116	122	131	135	136	137	137	136	137	132	0	6 30	148	14 20	108	40
30				137	137	137	140	142	143	146	147	144	137	129	127	123	123	127	127	128	129	137	135	134	133	134	135	135	1	7 20	148	12 10	122	26
31																																		
MEANS ALL DAYS				137	138	139	140	140	141	142	141	135	129	124	123	125	125	124	124	125	129	133	135	135	135	135	136	133						30
MEANS TEN DAYS ✲				138	138	139	140	140	141	140	136	129	123	119	119	122	123	122	122	125	130	134	135	135	136	136	136	132						32
MEANS FIVE DAYS † (G. M. T.)				138	138	139	139	140	141	140	135	130	124	120	122	126	127	126	125	127	131	133 133	134 134	135	135	135	136	132						
MEANS FIVE DAYS ‡ (G. M. T.)				136	137	139	140	140	141	145	146	138	135	128	127	127	127	129	130	127	129	133	134	133	134	134	135	134						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 535

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

OCTOBER 1935

OCTOBER 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				139	138	140	140	142	143	144	144	142	136	133	130	125	120	120	119	120	129	134	137	137	135	136	137	134	0	7	22	16	05	31
2				137	138	139	140	142	144	145	151	150	147	145	139	131	127	130	124	125	129	134	136	136	136	136	137	137	0	7	47	15	41	30
3	✓	✓		138	140	140	141	143	143	147	152	151	143	137	129	117	107	106	110	118	129	133	136	136	136	137	139	134	0	7	50	14	00	50
4	✓			139	139	140	141	142	143	149	157	158	154	155	155	147	138	133	132	135	136	135	135	136	137	137	137	142	0	8	39	15	20	28
5	✓	✓		138	138	139	141	142	142	143	148	149	146	142	141	133	126	122	127	129	134	138	139	139	139	139	140	138	0	7	49	14	23	30
6	✓	✓		140	140	141	142	143	144	148	153	153	146	147	149	144	133	123	119	123	129	134	134	137	138	138	138	139	0	7	59	15	50	37
7				138	138	139	140	140	141	143	151	154	152	158	162	156	149	138	129	125	132	137	138	139	139	138	138	142	1	11	40	15	57	39
8	✓			140	140	140	141	142	144	141	135	123	116	117	119	120	121	126	123	122	129	136	136	136	137	138	138	132	0	5	50	9	52	31
9	✓	✓		140	140	140	142	142	142	146	147	143	144	147	147	146	147	142	130	124	131	136	138	138	139	138	140	140	0	13	50	16	00	27
10				142	142	142	142	142	142	138	135	130	127	129	129	132	138	139	131	123	128	137	138	138	138	139	139	136	0	5	40	16	38	22
11			✓	140	140	142	142	142	142	140	135	129	124	130	138	135	138	136	134	130	134	138	136	136	141	142	141	137	0	5	26	9	30	21
12	✓			141	142	143	144	145	145	149	151	146	142	144	145	146	150	149	140	127	128	136	137	137	137	138	140	142	0	7	10	16	40	30
13	✓	✓		141	141	141	142	145	146	139	127	118	115	119	120	123	131	134	132	132	136	140	140	140	137	135	136	134	0	5	20	9	30	35
14				136	138	140	142	144	146	152	154	146	139	135	125	121	117	115	119	125	130	135	135	134	134	136	137	135	0	7	14	14	46	45
15				139	138	140	142	144	143	147	151	146	141	141	135	131	132	134	128	125	136	139	139	139	137	136	138	138	1	7	50	16	00	31
16				137	138	139	141	143	143	142	141	134	126	122	117	116	122	124	122	122	129	134	135	135	136	137	136	132	0	5	20	12	20	30
17				137	138	139	141	142	145	148	153	146	139	137	128	128	130	133	132	128	129	132	134	134	134	136	135	137	1	7	18	12	00	33
18				135	136	137	139	141	142	146	146	139	133	128	123	118	120	118	115	121	130	136	135	136	138	137	136	133	0	7	01	15	24	36
19	✓			137	138	139	141	143	143	142	141	139	139	141	138	133	129	122	116	118	129	136	138	138	139	139	137	136	0	5	00	16	00	30
20			✓	136	138	139	140	141	140	136	145	137	131	135	136	120	111	110	106	119	132	134	135	136	136	137	137	132	1	7	42	15	07	49
21			✓	137	138	139	139	140	141	145	154	152	150	150	134	123	122	120	118	117	125	132	138	138	135	135	135	136	1	7	53	16	00	43
22				138	139	140	140	142	141	136	135	137	137	135	130	126	127	132	128	127	131	136	138	136	137	138	137	135	1	5	20	12	53	20
23				138	139	141	142	144	144	142	141	140	135	133	135	137	138	135	128	128	130	136	137	137	139	140	138	137	0	5	19	15	45	21
24			✓	137	141	141	141	140	141	141	157	158	146	146	156	146	142	137	127	122	128	135	137	137	138	139	137	140	2	8	13	16	20	44
25				137	137	140	141	142	139	141	139	136	134	135	138	142	146	136	131	131	131	132	137	136	136	137	137	137	0	13	32	17	00	18
26	✓			139	140	141	142	143	144	147	144	139	136	133	133	130	136	133	124	127	132	135	137	134	135	137	137	137	0	6	50	15	40	25
27			✓	139	139	140	140	142	140	137	133	127	125	123	120	115	120	122	115	120	129	137	138	134	137	138	138	131	1	4	54	12	12	31
28				140	140	142	142	142	143	144	148	147	145	145	139	138	144	149	139	137	135	138	137	136	135	135	135	141	1	14	13	22	50	18
29				137	138	140	142	144	143	140	143	143	140	135	134	134	139	135	132	129	132	136	138	135	136	135	136	137	0	7	59	16	50	17
30				138	138	139	141	144	144	145	148	153	155	158	159	157	155	145	131	126	131	136	136	135	135	136	135	142	0	11	45	16	13	36
31				137	137	137	141	143	141	145	155	154	150	151	137	124	123	121	121	125	131	135	138	137	137	136	139	137	1	7	46	14	17	44
MEANS ALL DAYS				138	139	140	141	142	143	143	146	143	138	138	136	132	132	130	125	125	131	136	137	137	137	137	137	137						32
MEANS TEN DAYS ✻				139	140	140	142	143	144	145	146	142	138	138	138	134	132	129	125	126	131	136	137	137	137	138	138	137						32
MEANS FIVE DAYS † (G. M. T.)				139	140	140	142	143	143	145	145	143	139	138	137	133	129	125	124	125	132	136 136	137 137	137	137	138	138	137						
MEANS FIVE DAYS ‡ (G. M. T.)				138	139	140	140	141	141	140	145	141	135	137	137	128	127	125	120	122	130	135	137	137	137	138	138	135						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

⌈ ⌋ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 536

VERTICAL INTENSITY

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

NOVEMBER 1935 — NOVEMBER 1935

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				136	135	138	141	143	145	149	148	141	136	136	136	127	120	120	119	122	130	136	136	137	138	138	137	135	0	6 53	151	14 39	118	33
2				139	139	140	142	143	143	148	156	154	152	151	146	137	140	142	136	132	134	136	140	139	137	140	140	142	0	7 30	157	16 30	131	26
3				140	141	141	142	143	142	144	149	151	148	150	148	151	149	141	132	130	131	135	139	139	138	138	139	142	1	12 32	152	16 20	128	24
4	✓	✓		140	141	141	142	143	143	141	145	151	153	153	154	155	154	147	139	131	133	136	139	139	141	142	141	144	0	12 43	156	16 51	128	28
5			✓	139	138	140	142	143	143	141	138	140	148	149	148	141	135	135	124	120	127	133	136	138	139	138	136	138	0	11 29	151	16 34	119	32
6				138	140	140	140	144	142	136	135	136	136	132	130	124	128	133	129	126	131	136	138	139	141	140	139	136	0	4 39	145	12 40	122	23
7	✓			138	139	139	140	141	139	140	141	138	139	140	134	135	135	125	123	125	133	136	137	137	136	137	141	136	0	23 37	143	16 03	121	22
8	✓			139	140	141	142	142	140	144	148	149	148	145	138	130	123	116	116	120	126	133	136	136	136	137	138	136	0	8 25	150	15 00	114	36
9				138	139	140	141	141	140	137	139	142	148	151	150	147	148	140	127	122	128	136	137	136	136	136	137	139	0	10 40	153	16 30	121	32
10	✓	✓		139	140	141	142	142	140	138	139	141	141	142	145	146	145	142	135	132	135	140	140	140	139	140	139	140	0	12 20	147	16 10	129	18
11				139	140	141	141	141	138	139	147	150	146	137	127	125	127	132	134	132	132	135	137	135	135	134	133	137	0	8 12	151	11 50	123	28
12			✓	135	138	140	142	143	142	141	144	145	140	128	130	139	138	135	127	125	129	135	138	137	140	139	137	137	1	8 23	147	16 26	123	24
13			✓	136	140	142	144	145	146	149	149	150	143	139	137	134	135	129	120	119	124	132	136	138	135	136	135	137	1	7 05	152	16 19	117	35
14			✓	136	138	139	142	145	144	146	152	153	142	135	124	113	113	117	119	121	130	137	139	139	139	139	139	135	0	8 07	155	13 10	110	45
15	✓			138	139	141	142	143	142	142	143	141	141	138	136	131	132	130	126	125	130	134	139	140	141	140	140	137	0	7 36	144	15 50	124	20
16	✓			140	141	142	144	146	144	140	136	133	125	121	117	117	125	127	125	125	130	135	140	140	140	140	139	134	0	5 13	147	12 30	116	31
17	✓	✓		140	140	140	140	142	145	141	151	154	152	154	153	151	156	150	142	130	128	135	139	138	137	136	136	143	0	13 27	158	17 00	126	32
18				138	139	140	142	144	144	141	145	144	138	138	136	133	133	140	136	132	128	133	136	136	135	133	133	137	0	5 13	146	17 31	127	19
19				134	132	133	136	140	138	139	140	140	133	125	127	123	119	114	113	111	119	128	133	134	134	134	134	130	0	6 56	143	16 10	110	33
20				136	136	136	137	140	140	140	142	142	145	149	146	138	133	125	120	118	124	130	134	135	135	136	135	136	0	11 03	152	15 51	117	35
21				135	136	138	139	140	141	139	139	137	132	133	131	126	128	127	126	128	130	134	137	137	138	138	137	134	0	5 10	142	12 30	124	18
22				141	141	138	140	141	139	138	141	144	145	146	142	138	142	135	128	126	128	132	135	135	135	136	135	138	0	8 10	146	16 10	125	21
23	✓			134	134	135	138	138	137	131	130	131	127	128	131	131	136	131	125	124	126	132	135	135	135	135	135	132	0	5 10	140	15 48	123	17
24				135	135	136	137	139	136	134	136	140	141	150	143	138	131	134	127	124	125	132	135	136	136	138	135	136	0	10 50	151	16 20	123	28
25	✓	✓		135	135	136	138	138	133	131	131	131	123	125	125	121	123	131	135	133	137	140	140	139	138	137	138	133	0	18 50	141	12 40	119	22
26	✓	✓		137	137	138	138	138	137	142	151	152	148	148	144	144	140	134	130	130	130	134	138	138	138	137	138	139	0	8 18	153	16 42	129	24
27			✓	138	140	139	139	140	137	135	140	142	144	137	126	129	134	141	149	145	140	139	141	141	138	138	138	139	1	15 08	151	11 37	123	28
28				138	138	139	140	142	140	138	139	142	137	135	134	133	138	140	138	132	135	138	139	139	139	138	137	138	0	8 20	143	12 15	131	12
29				135	135	135	137	140	140	137	138	137	133	134	133	140	139	133	129	133	139	141	141	139	136	136	135	136	0	5 17	143	15 40	126	17
30				136	135	137	137	140	141	144	150	151	146	139	129	120	117	119	123	123	128	133	139	138	138	137	137	135	1	7.53	154	13 00	115	39
31																																		
MEANS ALL DAYS				137	138	139	140	142	141	140	143	143	141	140	137	134	134	132	128	126	130	135	138	138	137	137	137	137						27
MEANS TEN DAYS ✻				138	139	139	141	141	140	139	142	142	140	139	138	136	137	133	130	128	131	136	138	138	138	138	138	137						25
MEANS FIVE DAYS † (G. M. T.)				138	139	139	140	141	140	139	143	146	143	144	144	143	144	141	136	131	133	136 137	138 139	138	138	138	138	140						
MEANS FIVE DAYS ‡ (G. M. T.)				137	139	140	142	143	142	142	145	146	143	136	133	131	131	131	128	126	130	135	138	137	138	138	137	137						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 537

VERTICAL INTENSITY

DECEMBER 1935

1000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 75TH MERIDIAN MEAN TIME)

DECEMBER 1935

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	137	137	138	140	141	138	141	152	148	141	129	115	114	119	130	127	125	130	137	140	140	139	138	137	135	0	7 50	154	11 40	110	44
2				138	139	140	141	141	141	147	159	163	149	136	122	109	106	109	111	115	124	127	134	137	137	137	138	133	1	8 20	166	13 32	105	61
3				138	139	140	140	140	140	144	152	153	149	138	129	127	120	120	122	125	126	130	135	137	138	139	139	136	0	8 12	154	14 00	117	37
4	✓	✓		141	141	141	141	141	141	141	146	149	140	141	136	125	126	125	121	121	124	129	136	139	140	140	141	136	0	8 15	151	15 40	119	32
5	✓	✓		141	141	141	141	140	137	136	140	142	140	137	125	116	114	114	117	117	120	129	135	138	139	140	139	132	0	8 27	143	13 46	113	30
6	✓	✓		140	140	141	142	142	138	134	138	141	136	131	131	129	133	138	142	136	132	135	138	140	141	142	142	138	0	8 05	143	12 13	126	17
7	✓			142	142	141	141	141	137	138	139	140	144	146	147	158	151	147	149	141	134	133	137	139	140	140	139	142	0	12 47	160	18 10	133	27
8				140	140	141	143	141	135	134	139	142	141	133	129	139	144	140	132	130	133	139	140	139	140	140	139	138	0	13 06	146	10 56	125	21
9				139	140	141	141	139	134	136	141	140	132	138	146	154	154	147	141	134	133	136	138	137	136	136	135	140	0	12 56	157	17 10	131	26
10				135	136	138	139	139	135	134	135	133	132	125	121	128	129	140	142	143	140	138	139	136	136	136	137	135	0	14 52	144	11 00	118	26
11				136	137	137	139	140	141	140	136	130	132	135	129	132	140	147	140	134	132	133	135	134	134	133	134	136	0	14 20	148	11 40	127	21
12				136	137	138	139	141	141	140	142	144	136	136	130	127	122	122	118	118	129	135	137	138	138	138	136	134	0	8 10	145	16 40	116	29
13				133	134	136	138	141	144	148	152	145	133	129	124	127	134	139	137	133	135	135	138	138	139	139	138	137	1	7 46	157	12 00	121	36
14			✓	138	139	141	142	143	144	151	156	153	145	134	130	129	120	132	138	131	130	136	138	136	138	135	137	138	1	7 45	157	13 14	118	39
15				135	137	138	139	141	142	149	154	150	144	133	125	119	118	115	119	123	127	132	137	138	138	137	137	134	0	7 40	156	14 40	113	43
16				137	136	136	138	141	143	146	151	150	143	141	139	132	126	124	120	125	129	134	137	137	138	137	138	137	0	7 42	154	15 11	118	36
17				137	139	139	140	141	140	136	135	136	130	128	129	124	121	125	130	129	129	134	138	139	139	138	137	134	0	5 12	142	13 24	120	22
18	✓			138	138	139	140	143	146	146	144	143	136	132	140	140	135	131	119	122	126	130	136	138	140	139	137	137	0	5 20	148	15 39	117	31
19	✓			137	139	140	137	142	142	141	142	145	147	155	148	132	127	115	116	120	126	133	137	137	137	137	138	136	0	10 40	157	14 53	113	44
20	✓			139	139	140	140	142	142	145	148	152	154	161	146	130	123	119	117	116	124	132	138	138	139	139	138	138	0	10 19	163	15 50	114	49
21	✓			139	138	138	140	142	141	138	138	144	145	145	134	124	123	109	111	117	127	132	136	138	138	139	140	134	0	10 17	146	14 44	106	40
22	✓	✓		141	141	140	140	142	141	140	144	149	149	151	144	131	123	120	109	112	120	131	138	138	140	140	141	136	0	10 30	154	15 30	107	47
23	✓	✓		140	140	140	141	141	140	141	146	151	146	148	149	140	141	141	131	127	131	134	138	140	140	139	140	140	0	8 32	153	16 20	126	27
24				140	138	137	139	139	140	142	139	136	134	144	135	132	135	135	122	116	119	126	135	139	142	142	139	135	0	10 30	147	16 27	115	32
25				137	138	138	138	137	138	135	133	129	124	124	115	109	112	117	118	117	125	133	138	138	138	138	135	129	0	2 34	141	12 26	107	34
26			✓	137	136	138	135	137	138	137	134	123	124	121	131	139	149	154	147	141	134	130	136	140	141	139	137	137	1	14 30	154	8 50	120	34
27			✓	138	135	137	139	139	140	147	143	135	125	125	124	131	141	145	142	131	133	132	137	137	136	137	137	136	0	6 20	149	9 37	122	27
28			✓	140	141	142	143	145	148	149	149	143	139	138	124	125	129	146	149	143	138	136	140	141	140	(141	141)	140	1	5 56	152	11 50	119	33
29				142	143	143	143	144	143	144	143	139	131	121	112	123	127	135	141	139	134	134	139	138	139	140	141	137	0	7 22	148	11 22	110	38
30				142	142	143	143	145	145	144	150	147	135	132	111	103	150	141	154	154	143	139	142	142	142	143	144	141	0	16 39	155	12 00	101	54
31				143	143	143	144	146	149	150	157	150	131	120	110	105	109	119	123	129	133	134	138	139	139	139	141	135	0	7 26	159	12 23	102	57
MEANS ALL DAYS				139	139	140	140	141	141	142	144	143	138	136	130	128	129	130	129	128	130	133	137	138	139	139	138	136						35
MEANS TEN DAYS ✱				140	140	140	140	142	140	140	142	146	144	145	140	132	130	126	123	123	126	132	137	138	139	140	140	137						34
MEANS FIVE DAYS † (G. M. T.)				141	141	141	141	141	139	138	143	146	142	142	137	128	127	128	124	123	125	130 132	136 137	138	139	140	140	136						
MEANS FIVE DAYS ‡ (G. M. T.)				138	138	139	140	141	142	145	147	140	135	129	125	128	132	141	141	134	133	134	138	138	138	138	137	137						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD